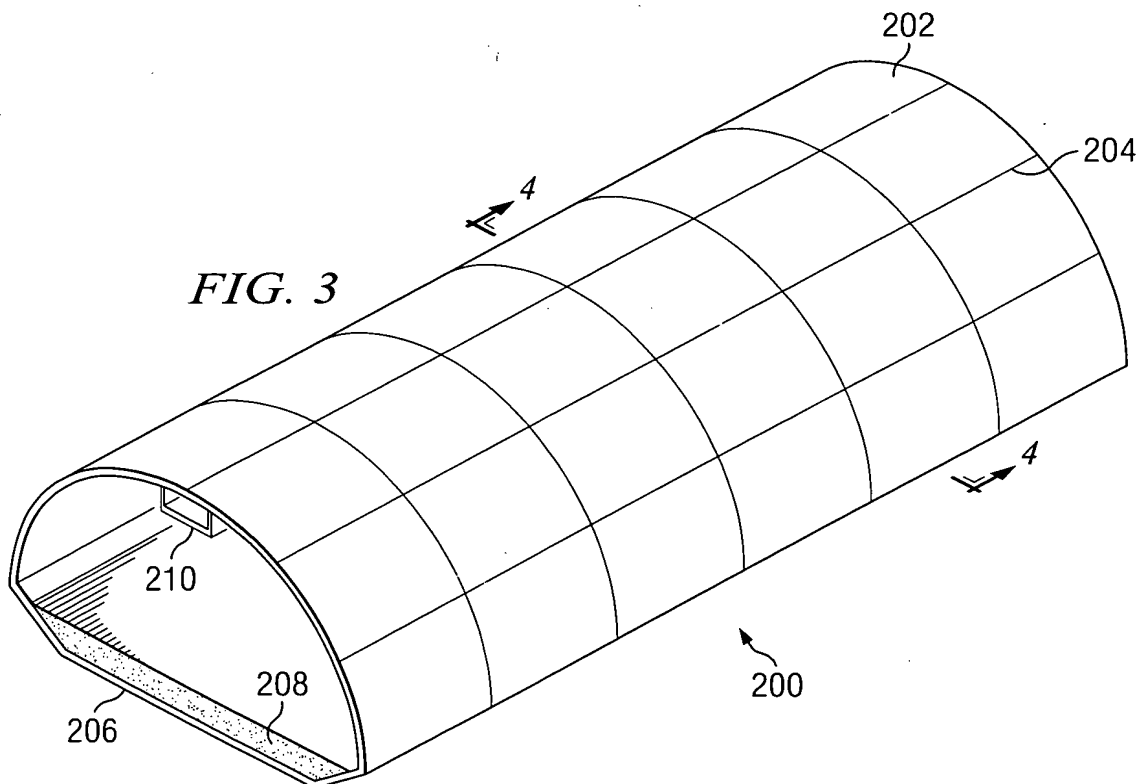
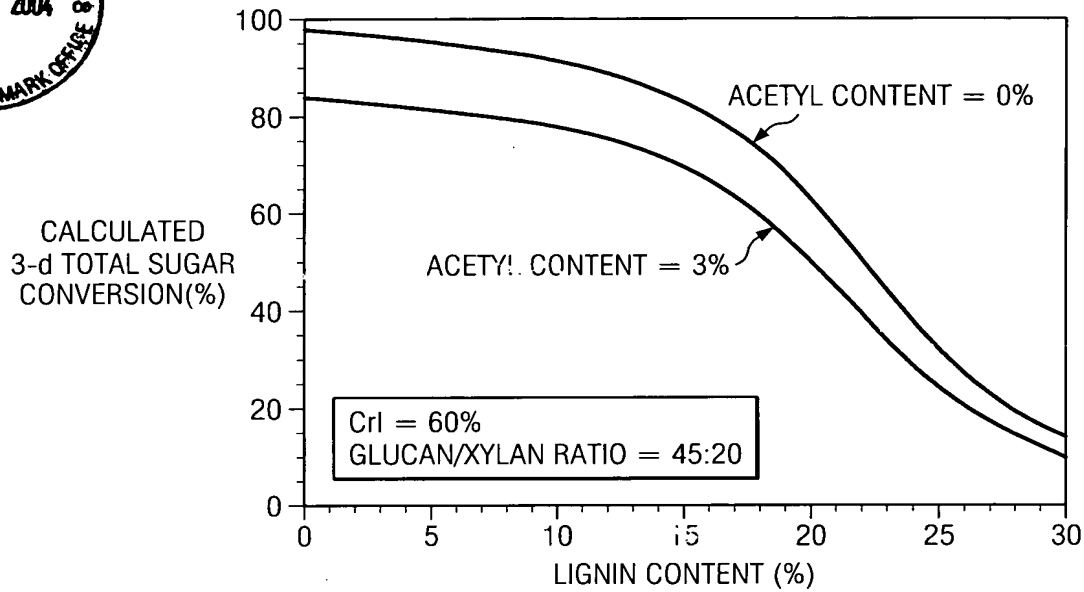


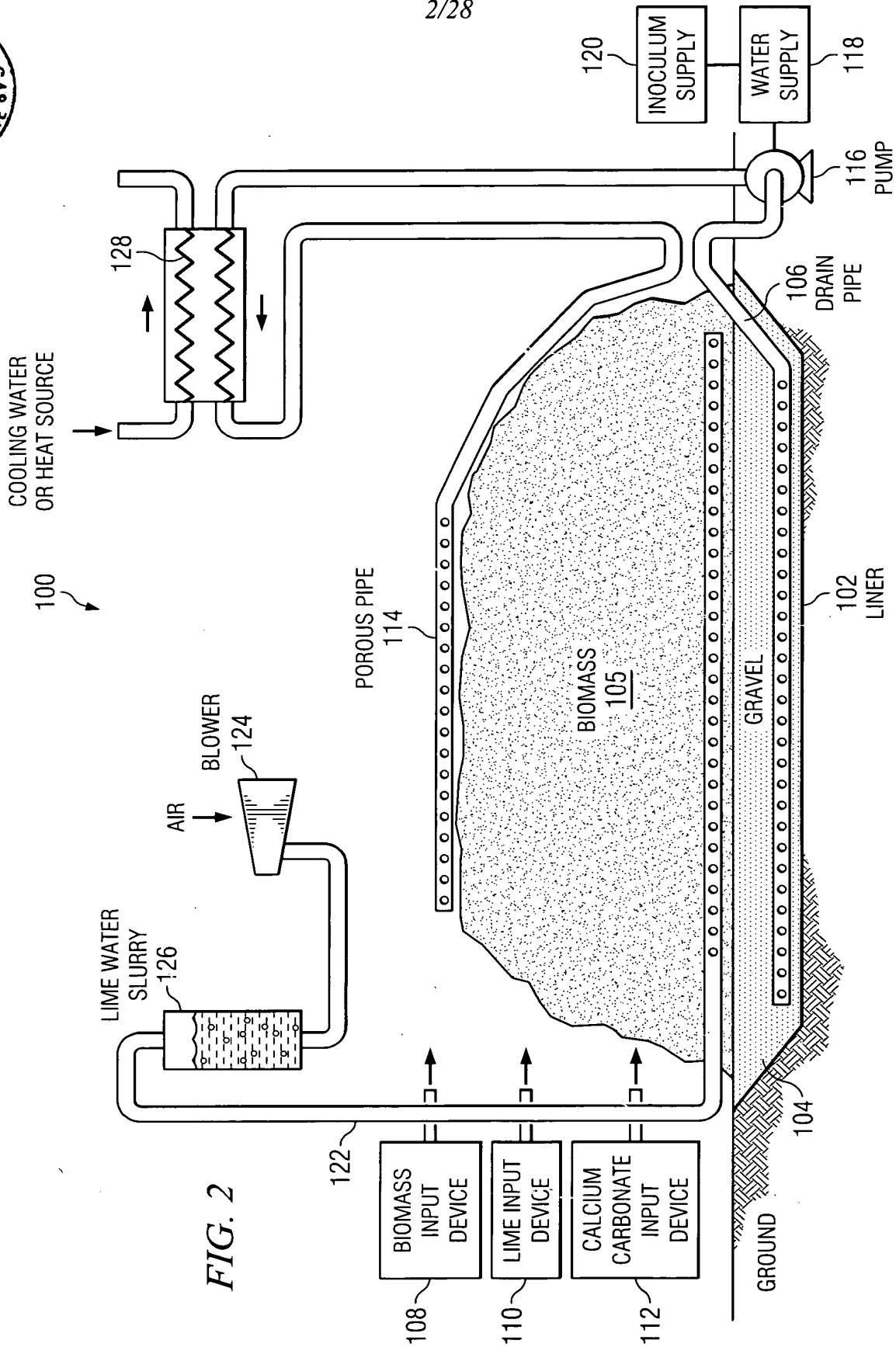
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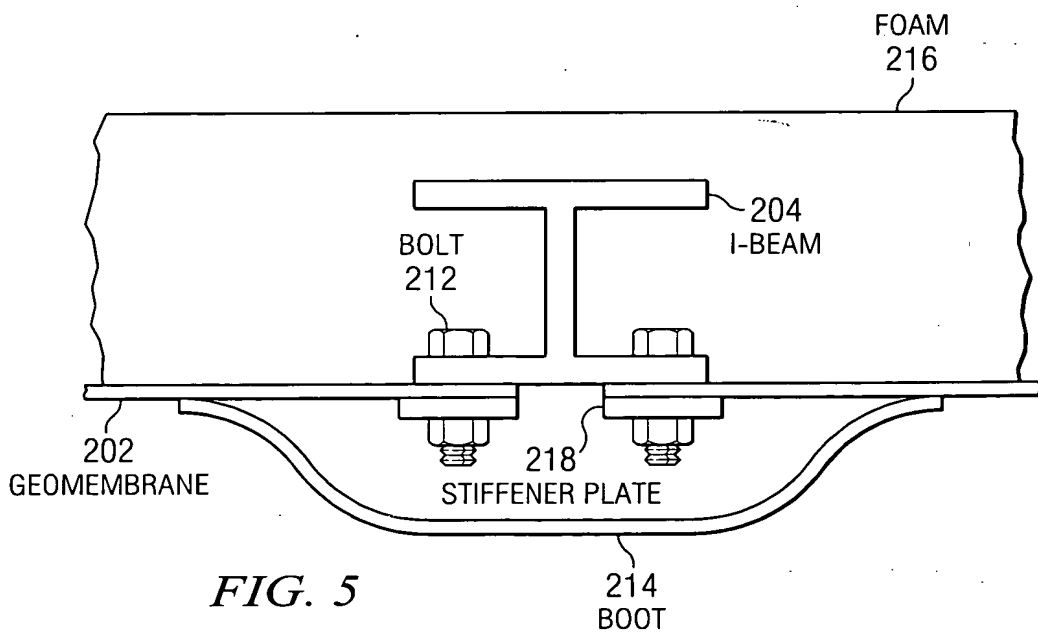
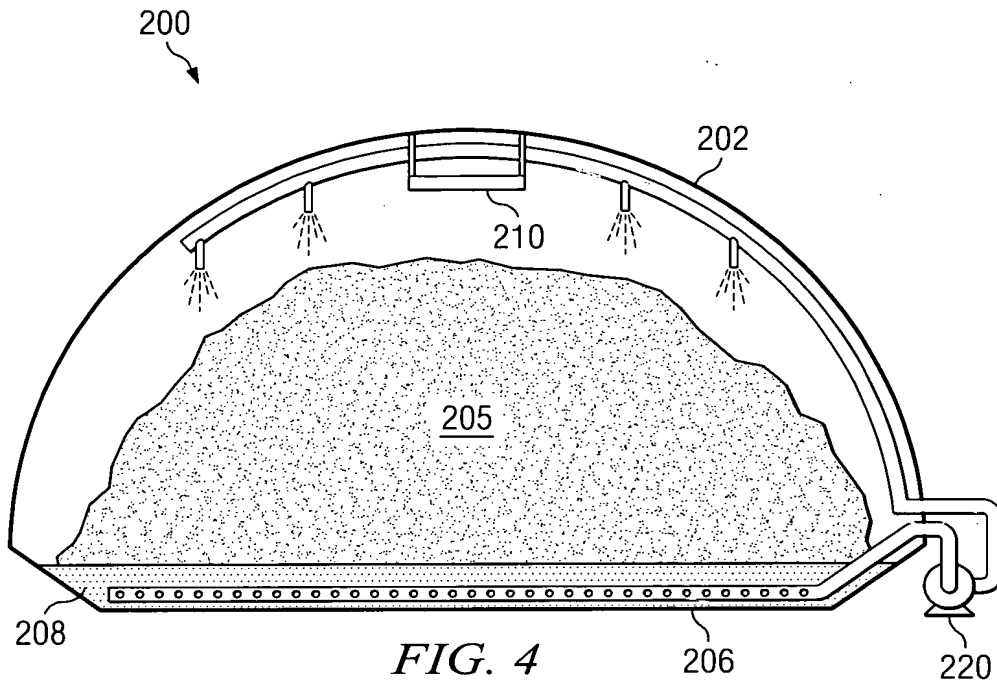
FIG. 1
 (PRIOR ART)



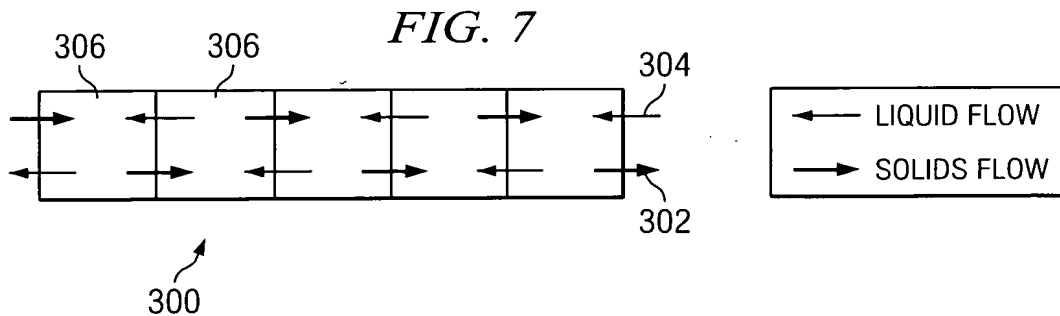
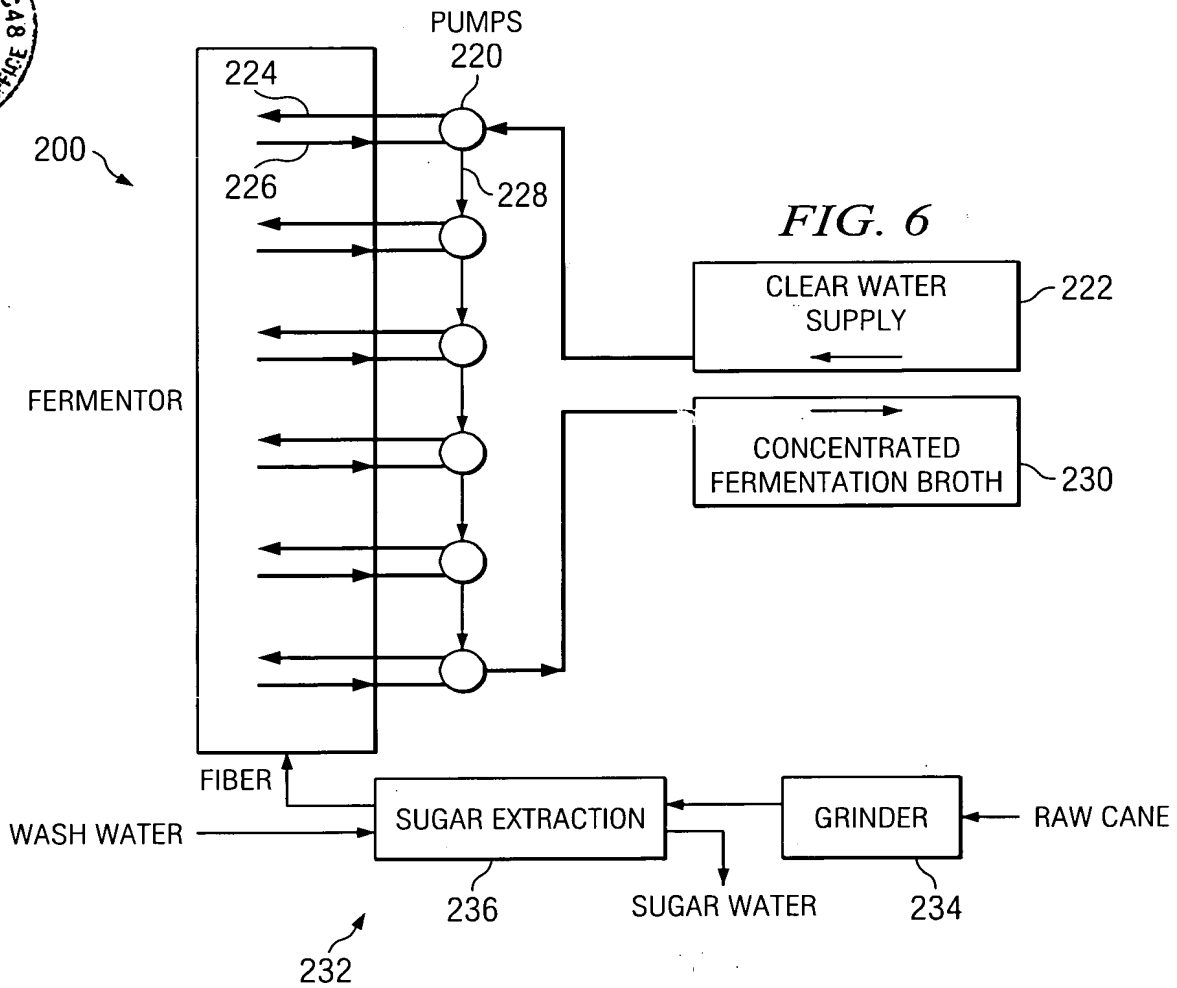
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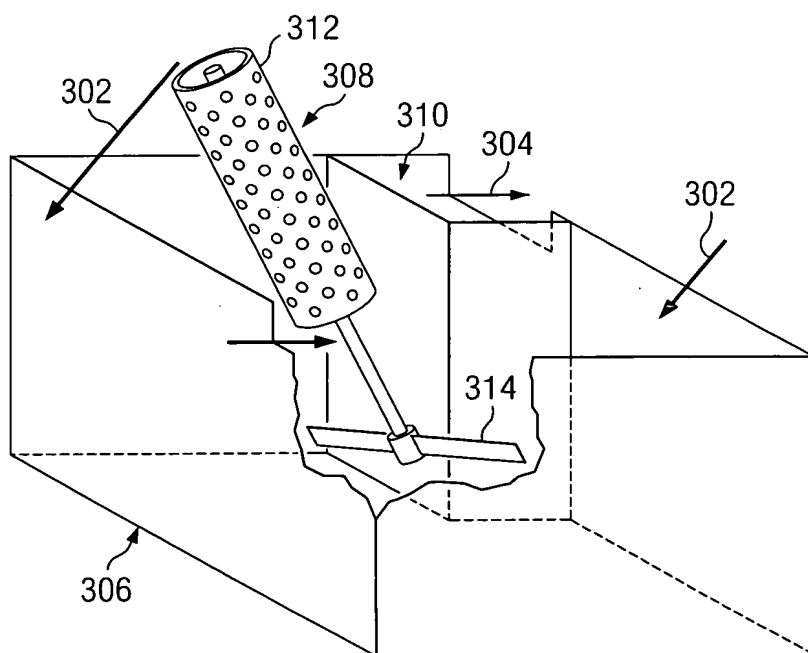
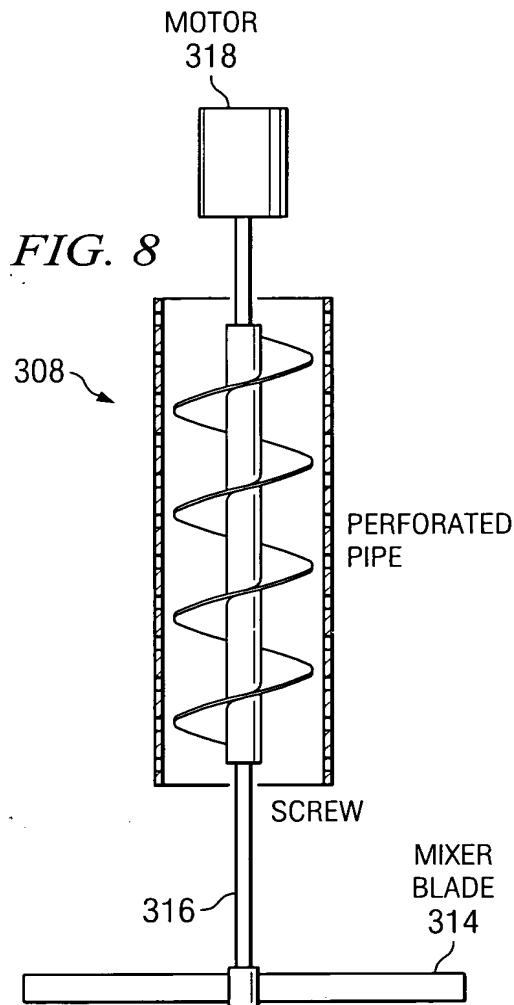
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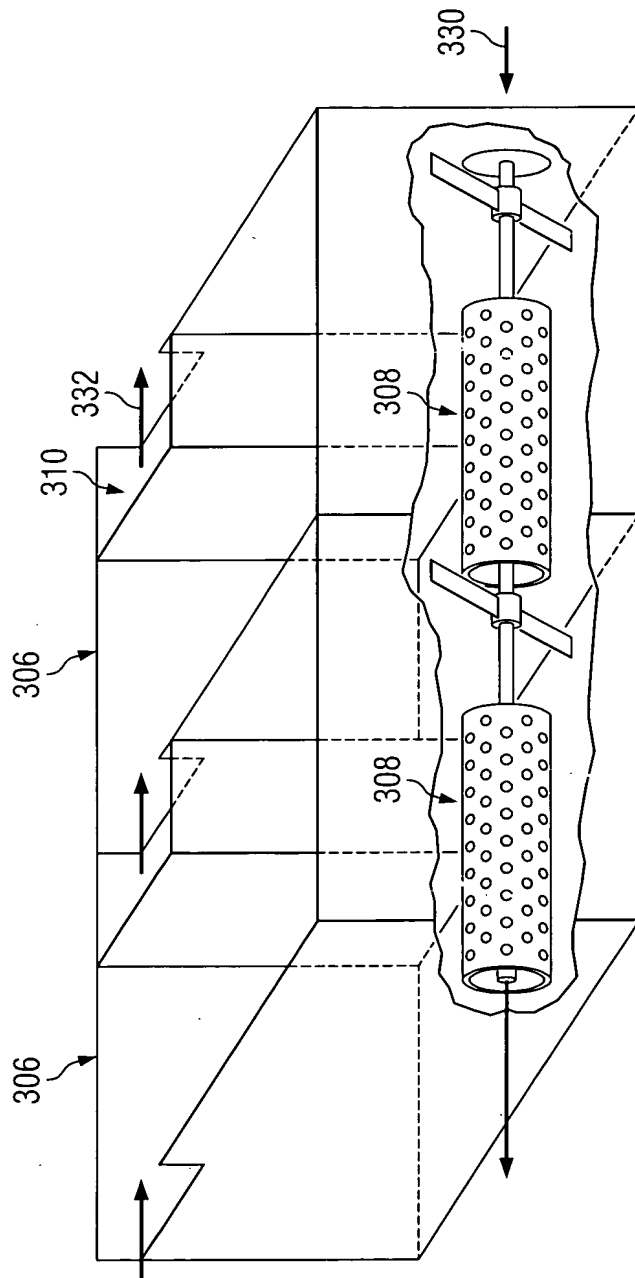
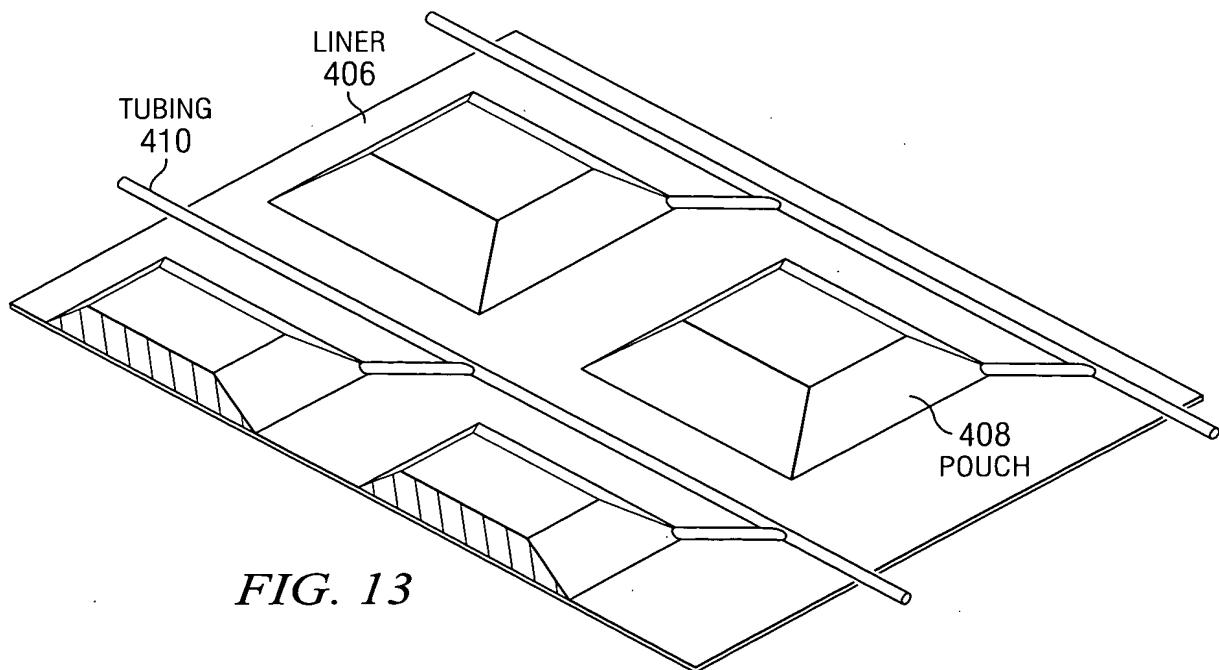
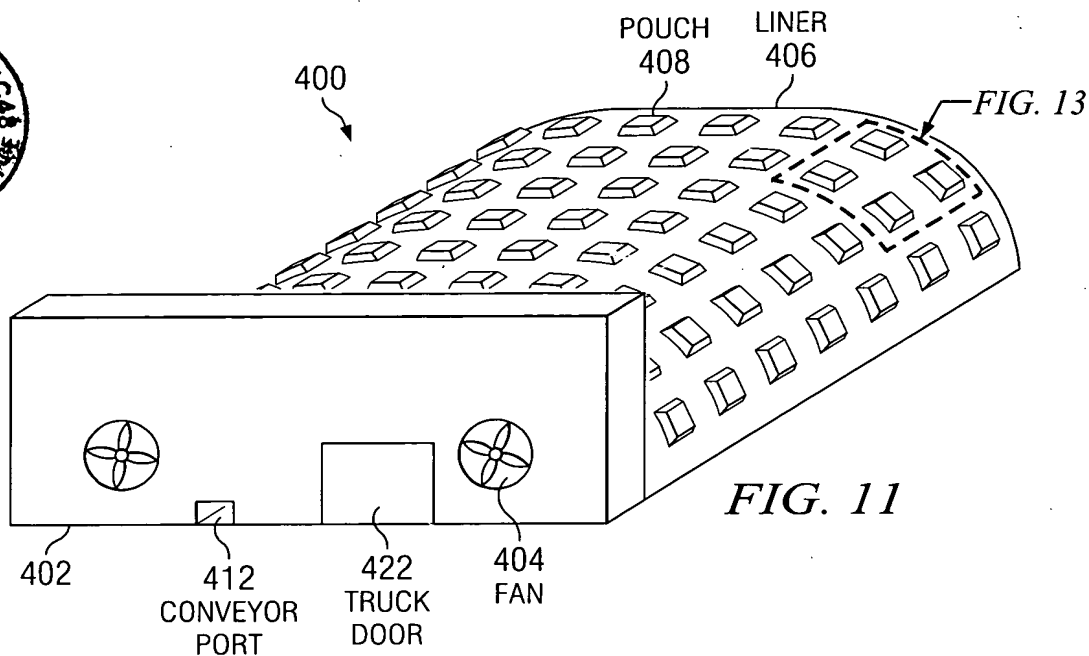


FIG. 10

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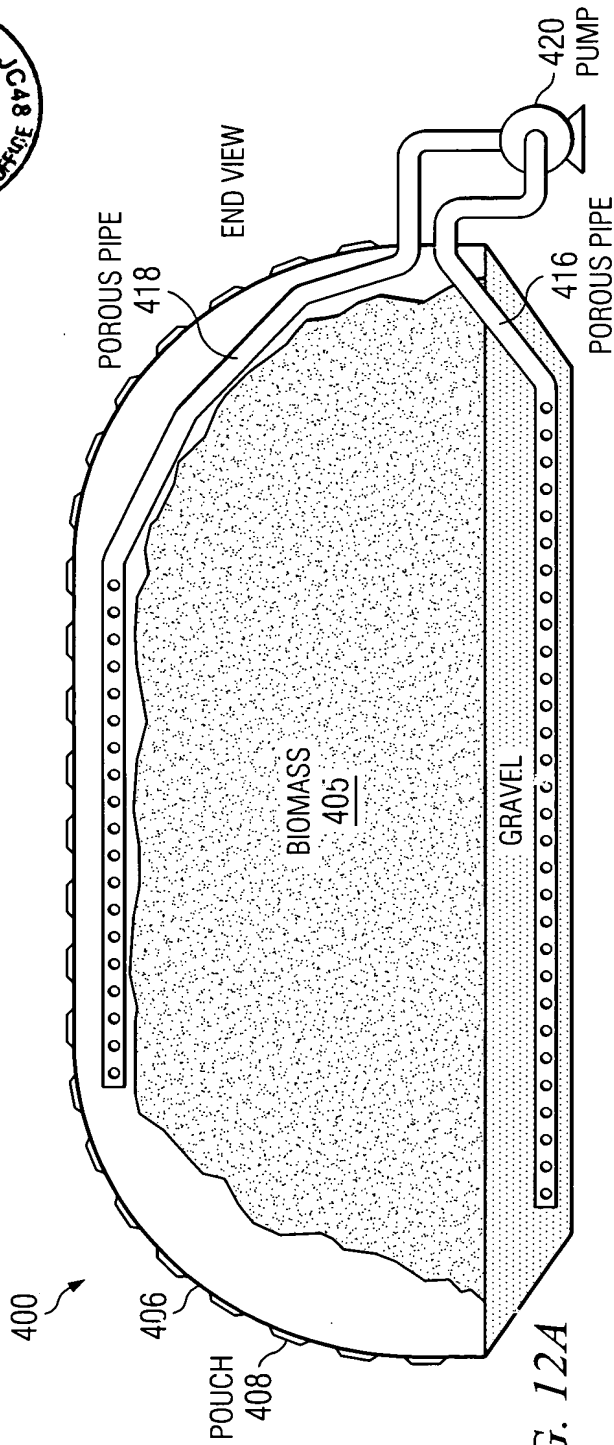


FIG. 12A

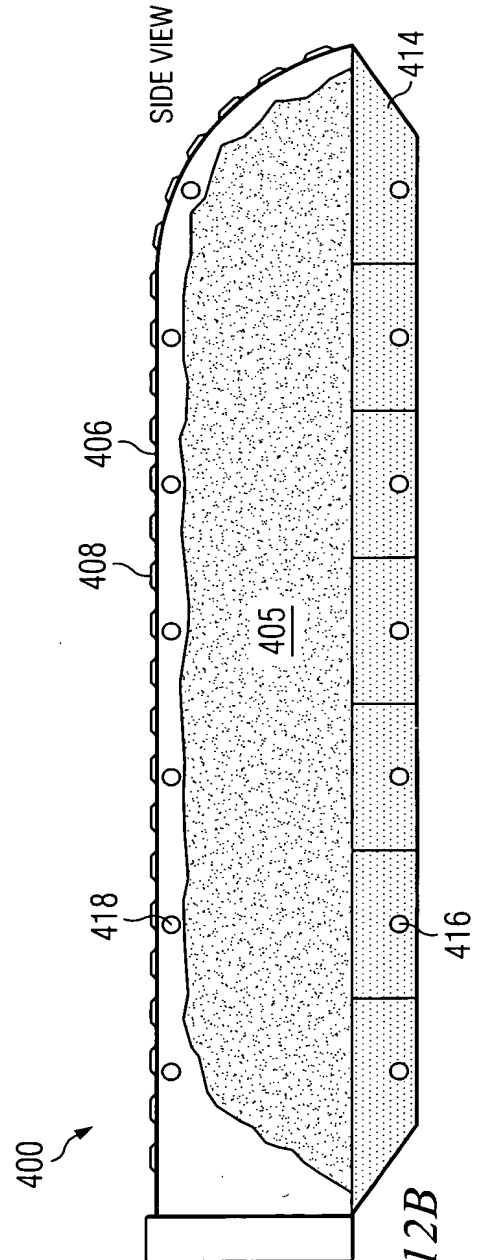
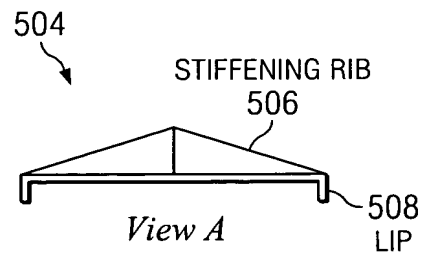
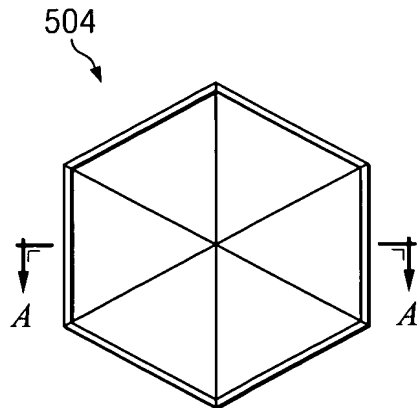
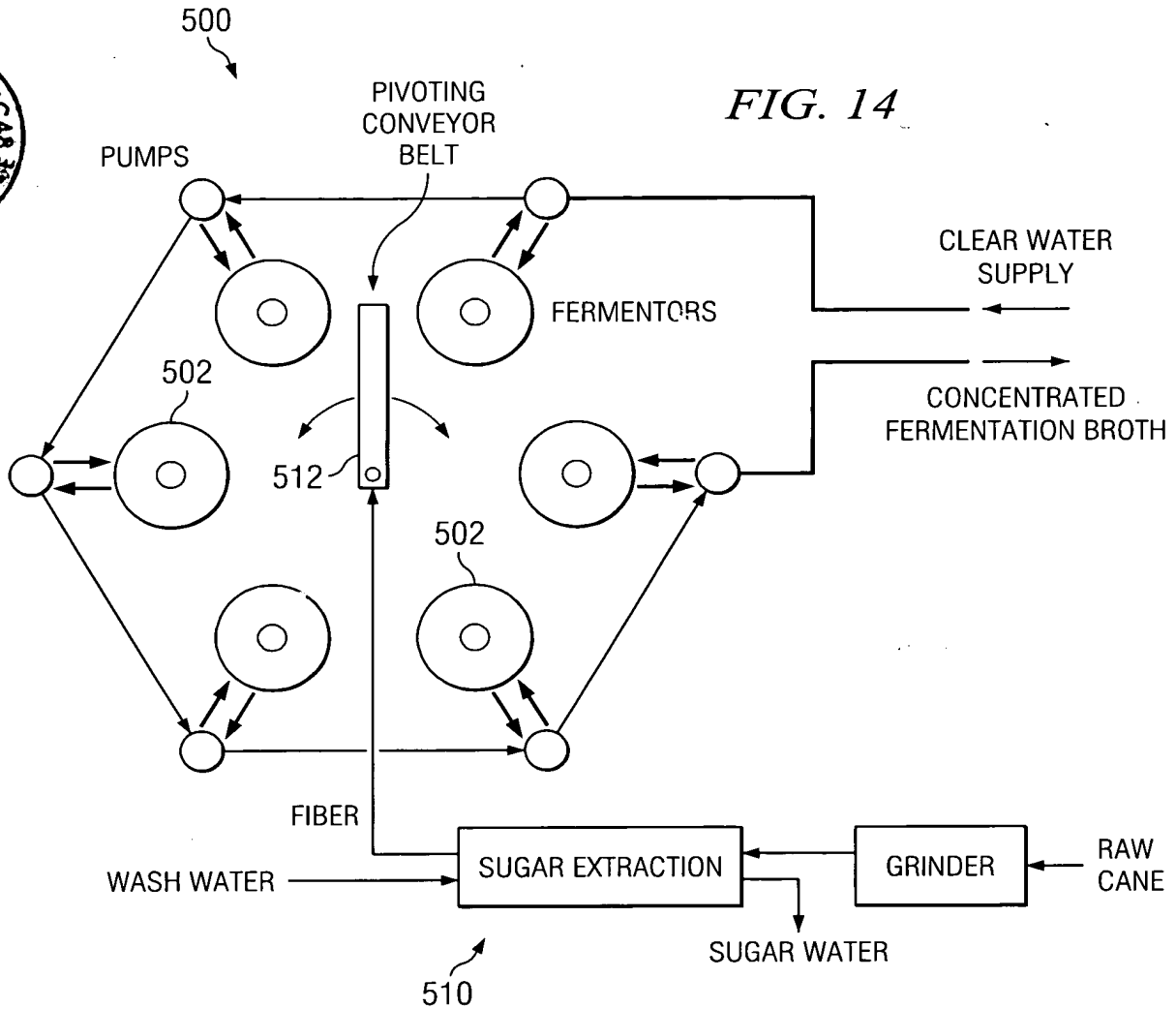


FIG. 12B

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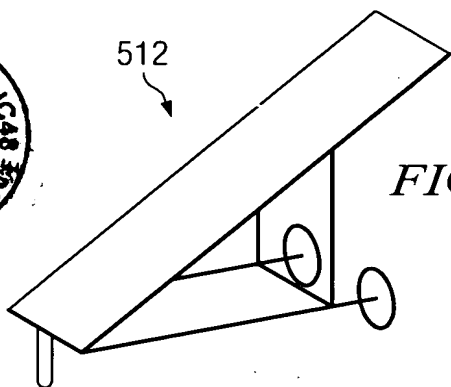


FIG. 16

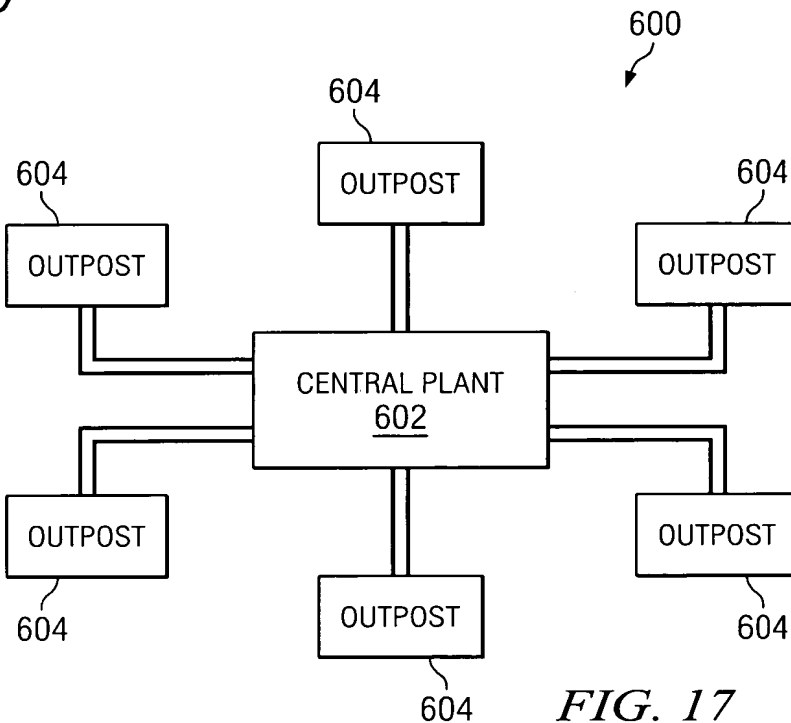


FIG. 17

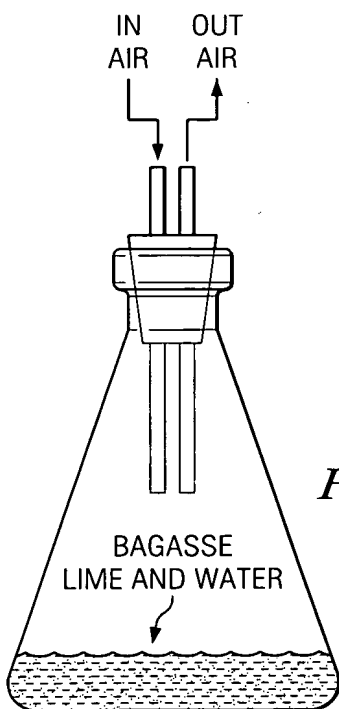


FIG. 18

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FRACTION REMAINING
 IN SAMPLE
 (g COMPONENT/g DRY
 OF UNTREATED BAGASSE)

FIG. 19

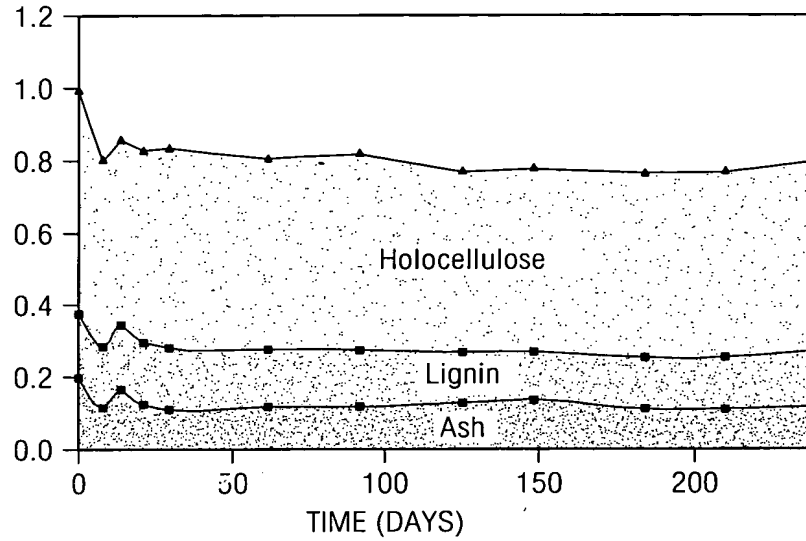
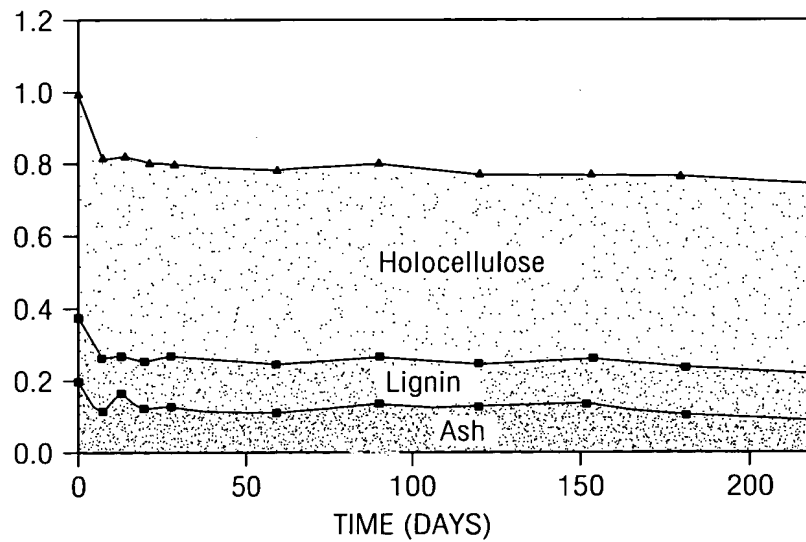


FIG. 20

FRACTION REMAINING
 IN SAMPLE
 (g COMPONENT/g DRY
 OF UNTREATED BAGASSE)



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FRACTION REMAINING
 IN SAMPLE
 (g COMPONENT/g DRY
 OF UNTREATED BAGASSE)

FIG. 21

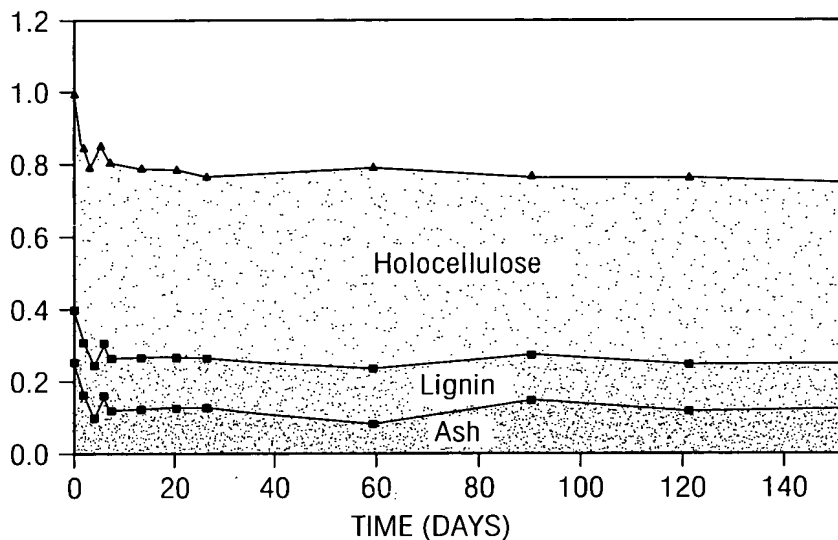
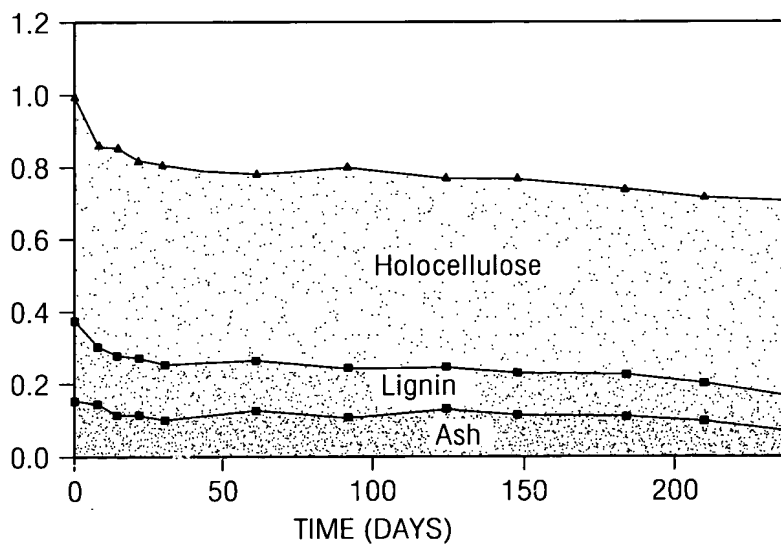


FIG. 22

FRACTION REMAINING
 IN SAMPLE
 (g COMPONENT/g DRY
 OF UNTREATED BAGASSE)



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FRACTION REMAINING
 IN SAMPLE
 (g COMPONENT/g DRY
 OF UNTREATED BAGASSE)

FIG. 23

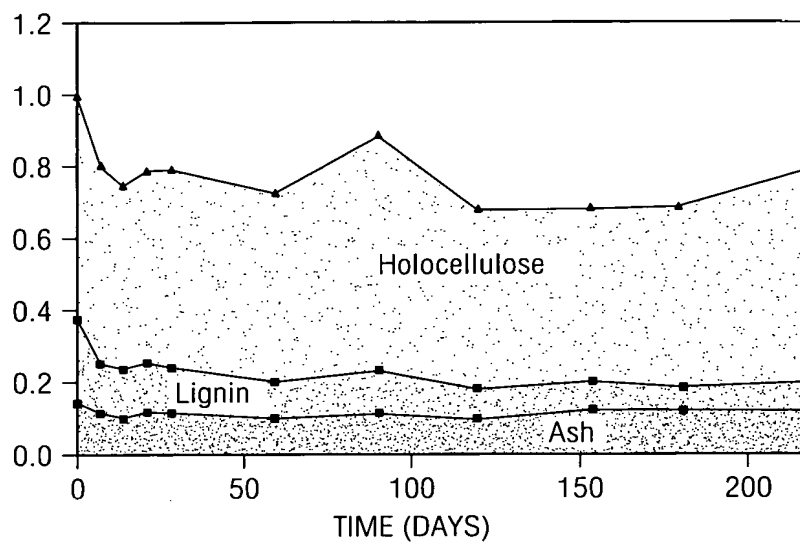
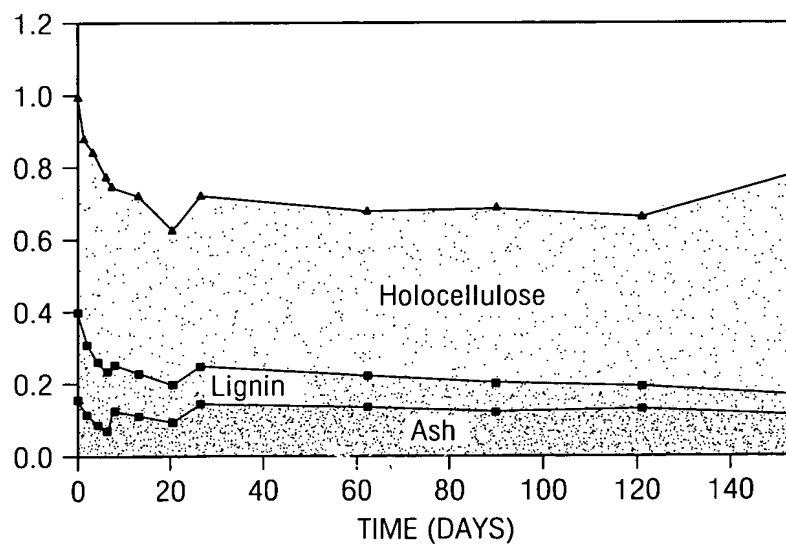


FIG. 24

FRACTION REMAINING
 IN SAMPLE
 (g COMPONENT/g DRY
 OF UNTREATED BAGASSE)

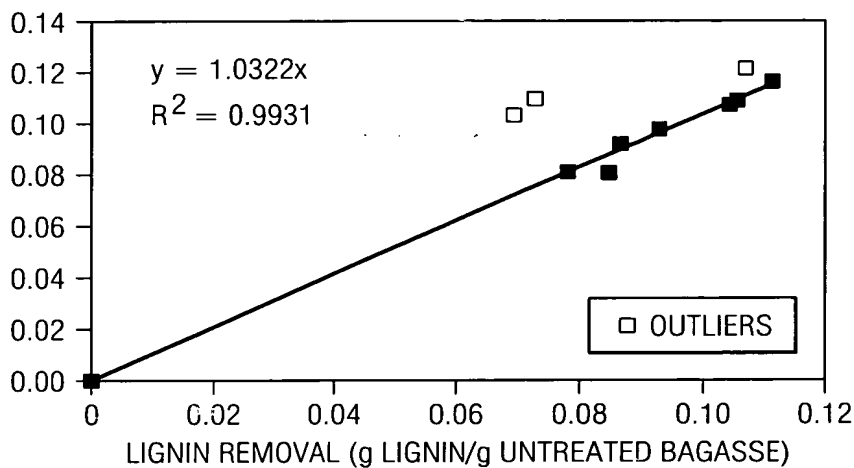


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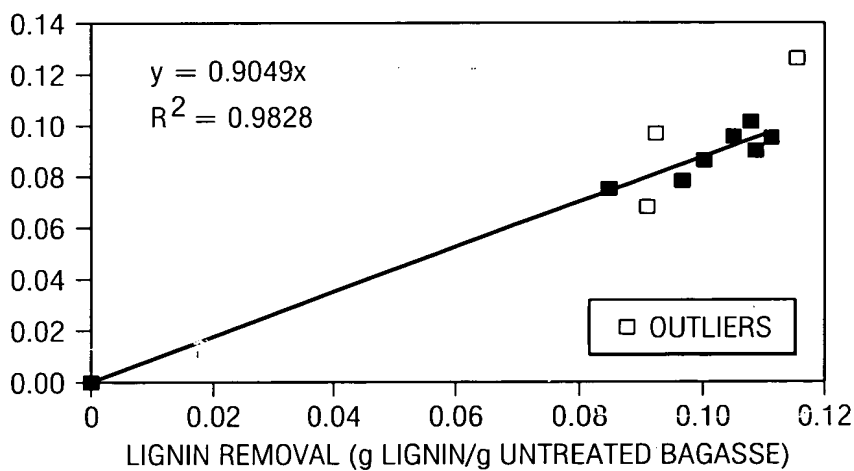
HOLOCELLULOSE LOSS
 (g HOLOCELLULOSE/g
 UNTREATED BAGASSE)

FIG. 25



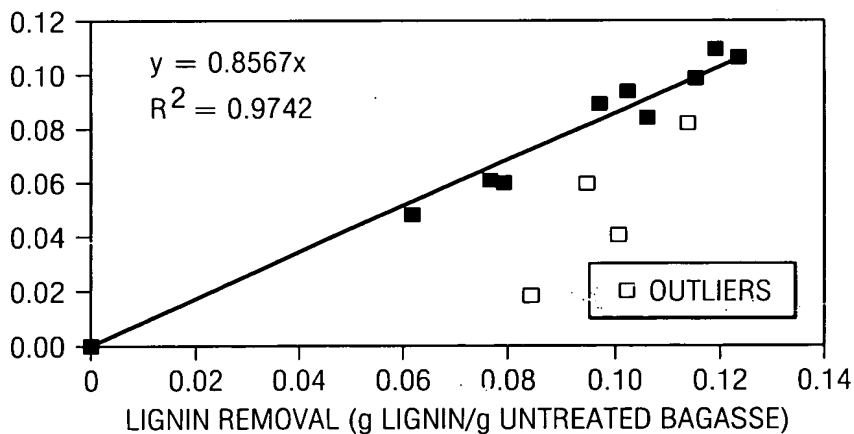
HOLOCELLULOSE LOSS
 (g HOLOCELLULOSE/g
 UNTREATED BAGASSE)

FIG. 26



HOLOCELLULOSE LOSS
 (g HOLOCELLULOSE/g
 UNTREATED BAGASSE)

FIG. 27

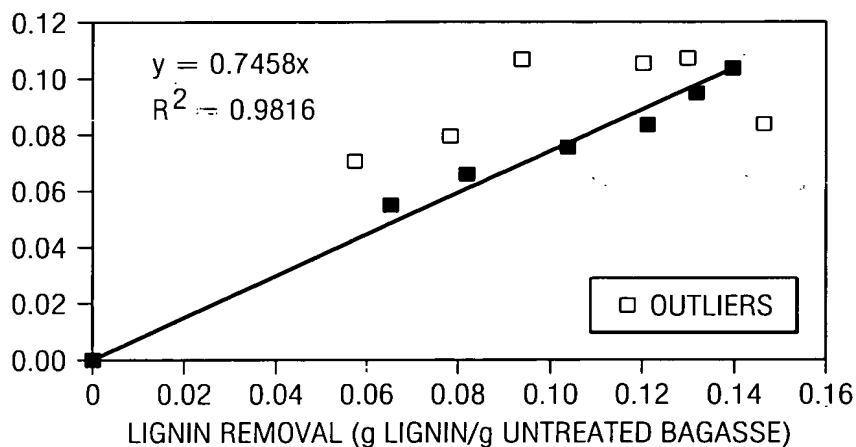


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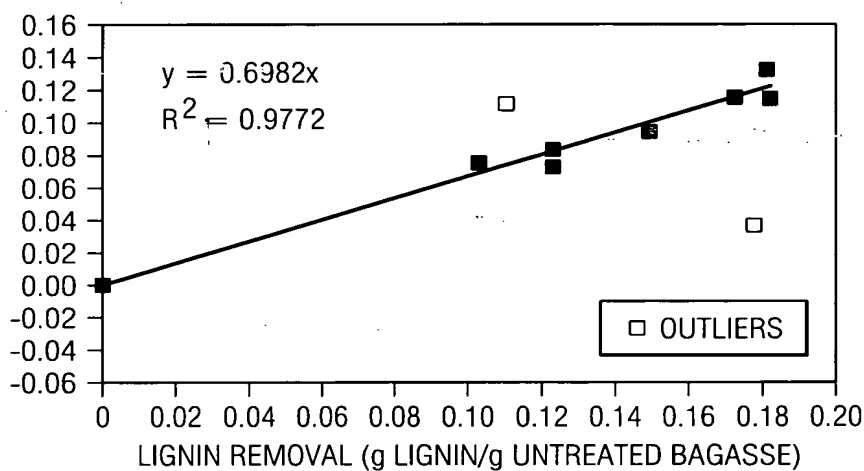
HOLOCELLULOSE LOSS
 (g HOLOCELLULOSE/g
 UNTREATED BAGASSE)

FIG. 28



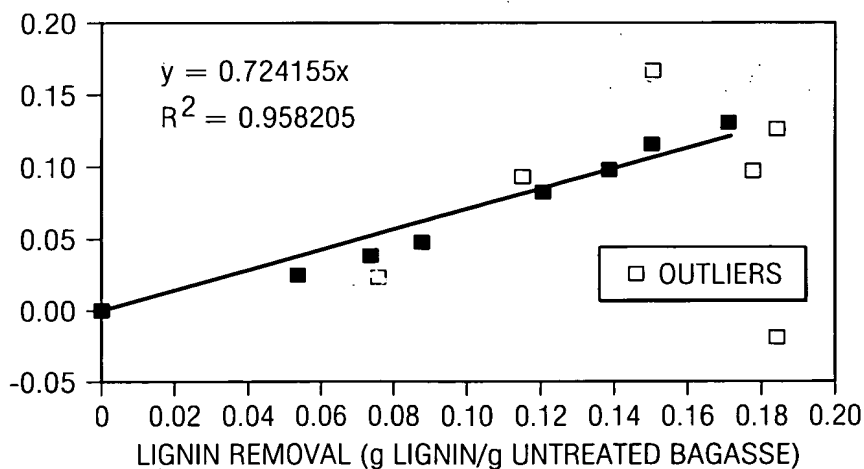
HOLOCELLULOSE LOSS
 (g HOLOCELLULOSE/g
 UNTREATED BAGASSE)

FIG. 29



HOLOCELLULOSE LOSS
 (g HOLOCELLULOSE/g
 UNTREATED BAGASSE)

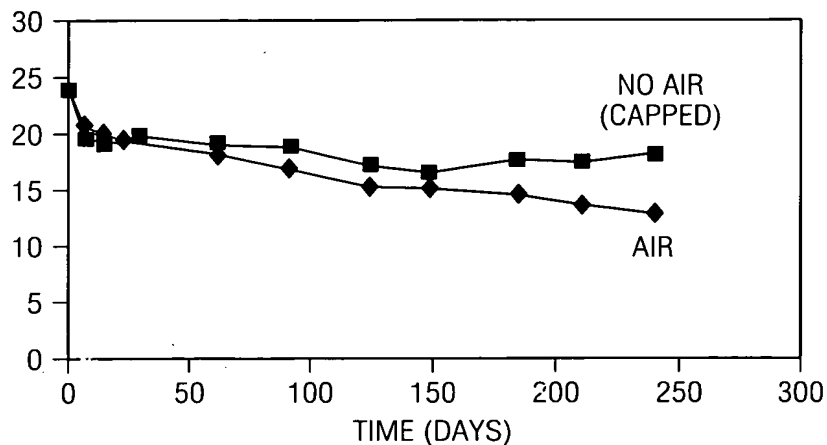
FIG. 30



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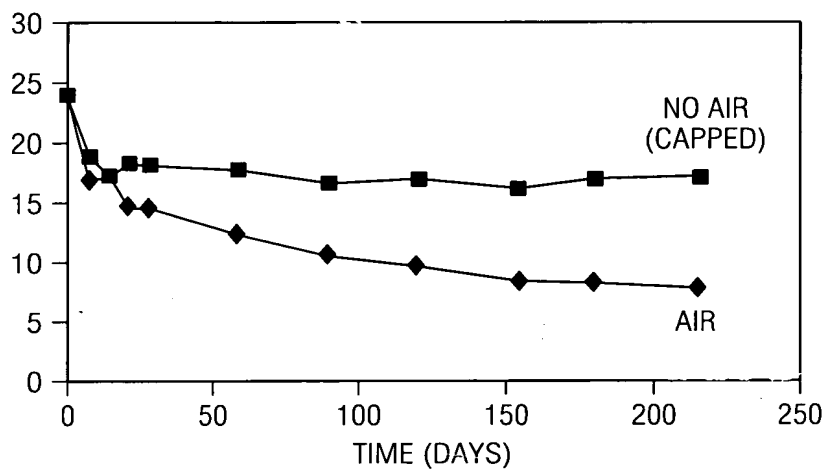
LIGNIN CONTENT
 IN TREATED BAGASSE
 (g LIGNIN/100 g
 OF TREATED BAGASSE)

FIG. 31



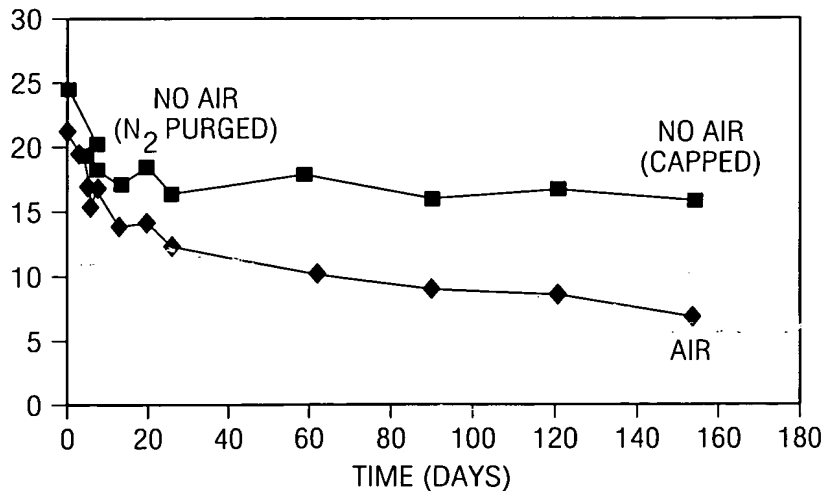
LIGNIN CONTENT
 IN TREATED BAGASSE
 (g LIGNIN/100 g
 OF TREATED BAGASSE)

FIG. 32



LIGNIN CONTENT
 IN TREATED BAGASSE
 (g LIGNIN/100 g
 OF BAGASSE)

FIG. 33

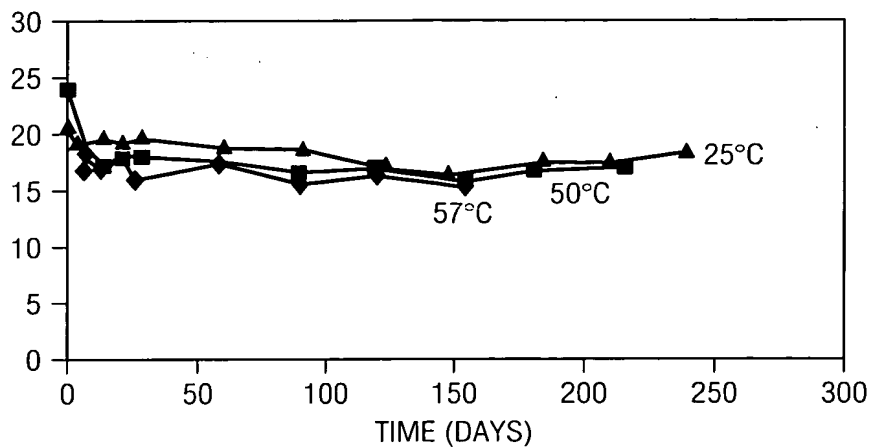


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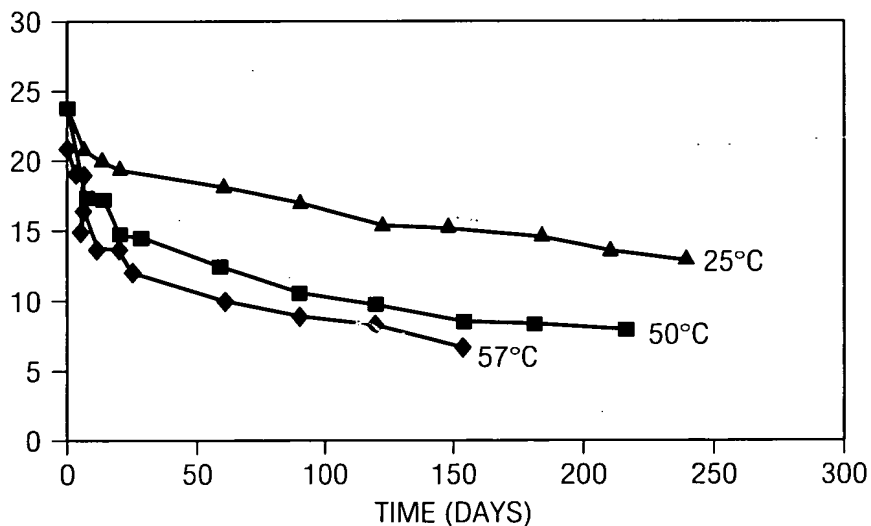
LIGNIN CONTENT
 IN TREATED BAGASSE
 (g LIGNIN/100 g
 OF TREATED BAGASSE)

FIG. 34



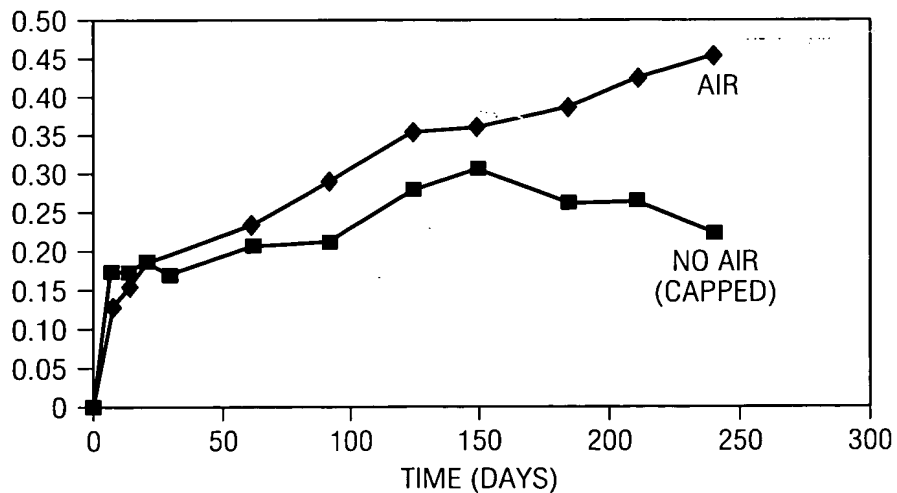
LIGNIN CONTENT
 IN TREATED BAGASSE
 (g LIGNIN/100 g
 OF BAGASSE)

FIG. 35



LIGNIN CONVERSION
 (g LIGNIN REMOVED/g
 LIGNIN IN UNTREATED
 BAGASSE)

FIG. 36

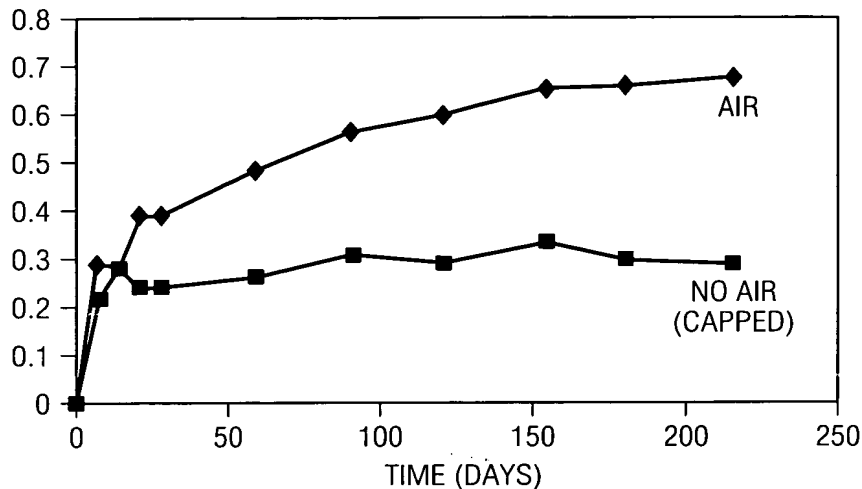


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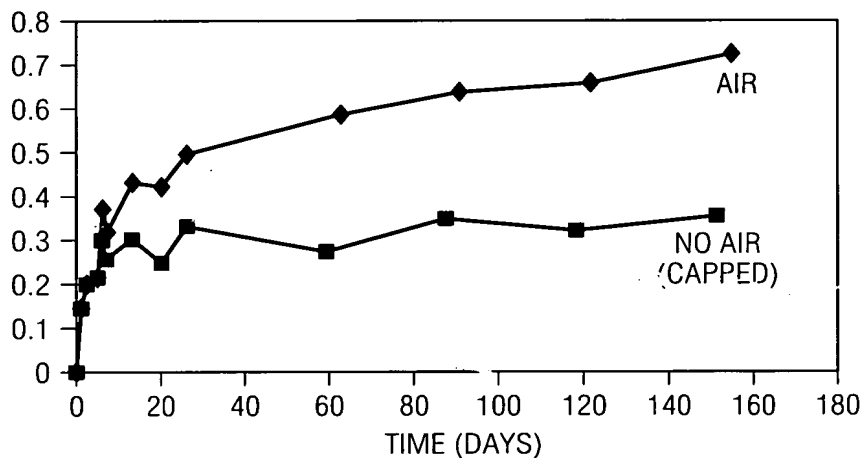
LIGNIN CONVERSION
 (g LIGNIN REMOVED/g
 LIGNIN IN UNTREATED
 BAGASSE)

FIG. 37



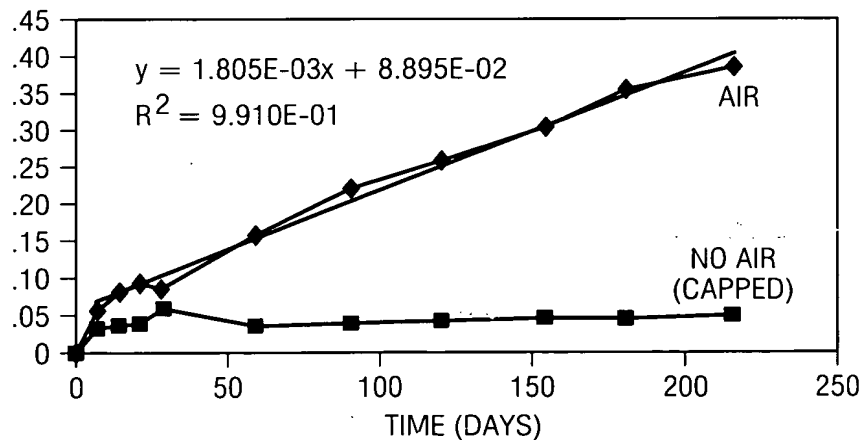
LIGNIN CONVERSION
 (g LIGNIN REMOVED/g
 LIGNIN IN UNTREATED
 BAGASSE)

FIG. 38



LIME CONSUMPTION
 (g Ca(OH)₂ CONSUMED/g
 UNTREATED BAGASSE)

FIG. 39

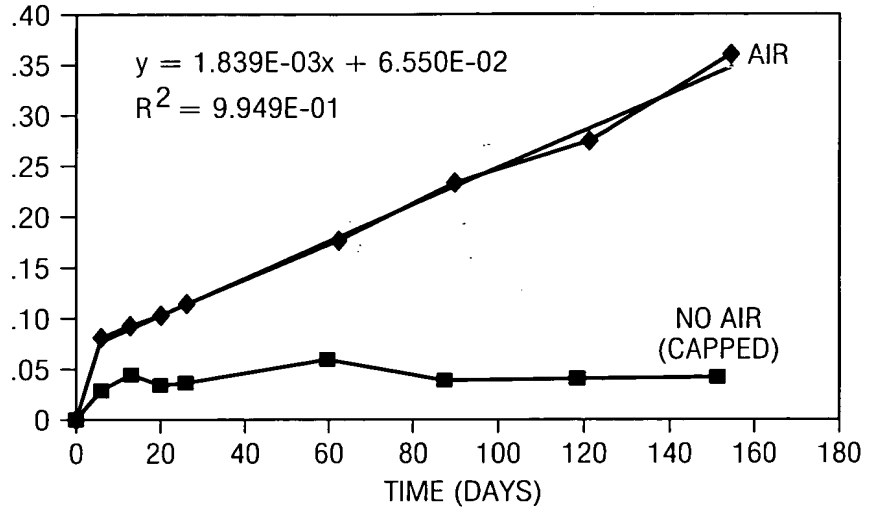


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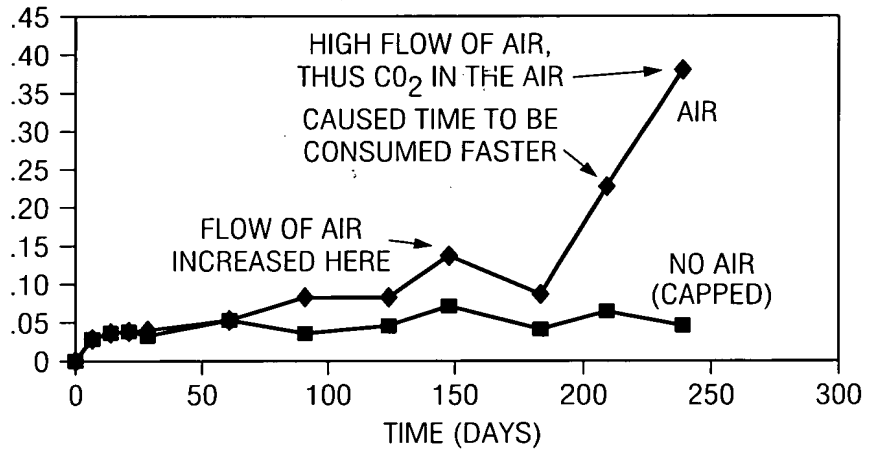
LIME CONSUMPTION
(g $\text{Ca}(\text{OH})_2$ CONSUMED/g
UNTREATED BAGASSE)

FIG. 40



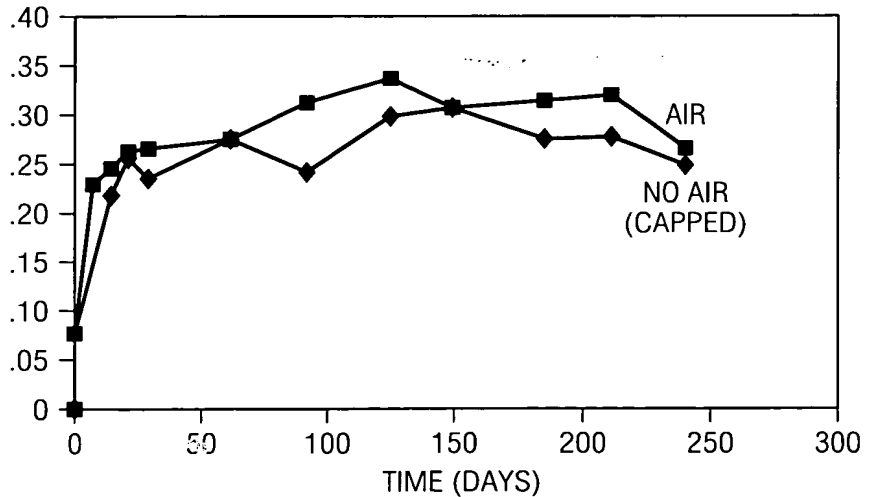
LIME CONSUMPTION
(g $\text{Ca}(\text{OH})_2$ CONSUMED/g
UNTREATED BAGASSE)

FIG. 41



SUGAR YIELD
(g GLUCOSS+XYLOSE/g
DRY OF UNTREATED
BIOMASS)

FIG. 42

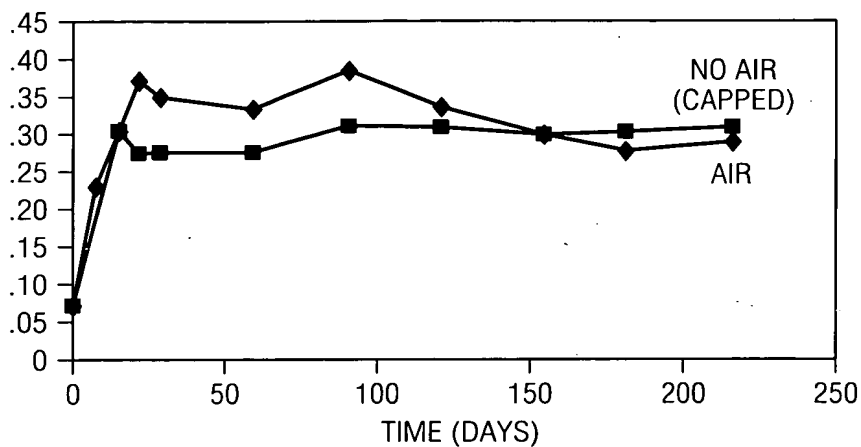


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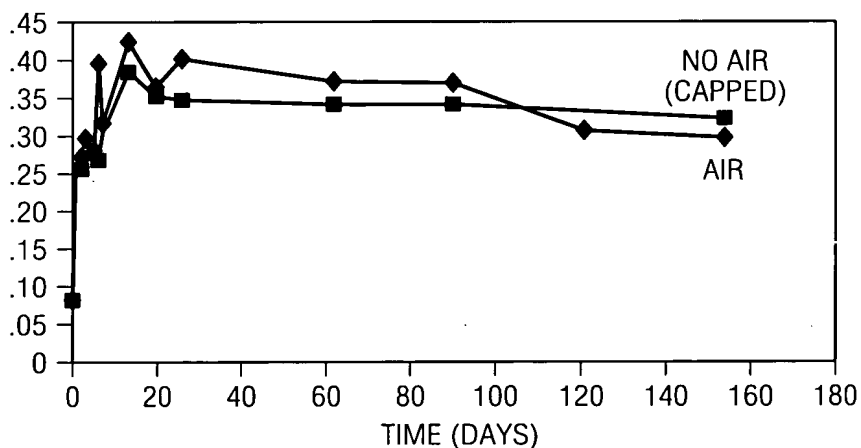
SUGAR YIELD
 (g GLUCOSS+XYLOSE/g
 DRY OF UNTREATED
 BIOMASS)

FIG. 43



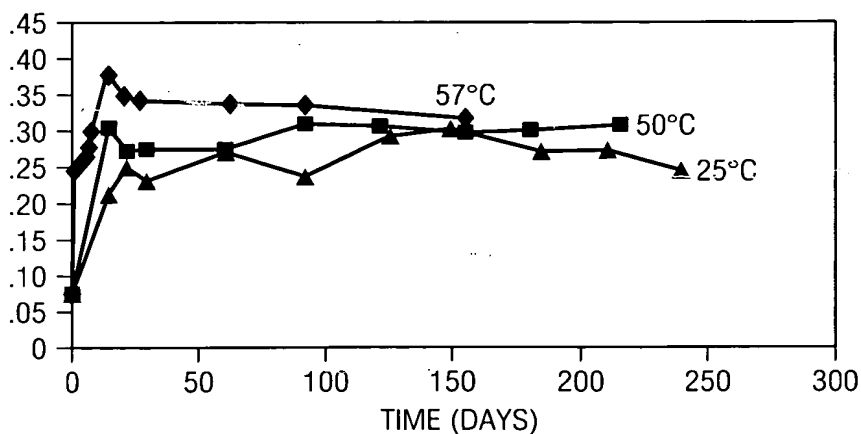
SUGAR YIELD
 (g GLUCOSS+XYLOSE/g
 DRY OF UNTREATED
 BIOMASS)

FIG. 44



SUGAR YIELD
 (g GLUCOSS+XYLOSE/g
 DRY OF UNTREATED
 BIOMASS)

FIG. 45



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FIG. 46

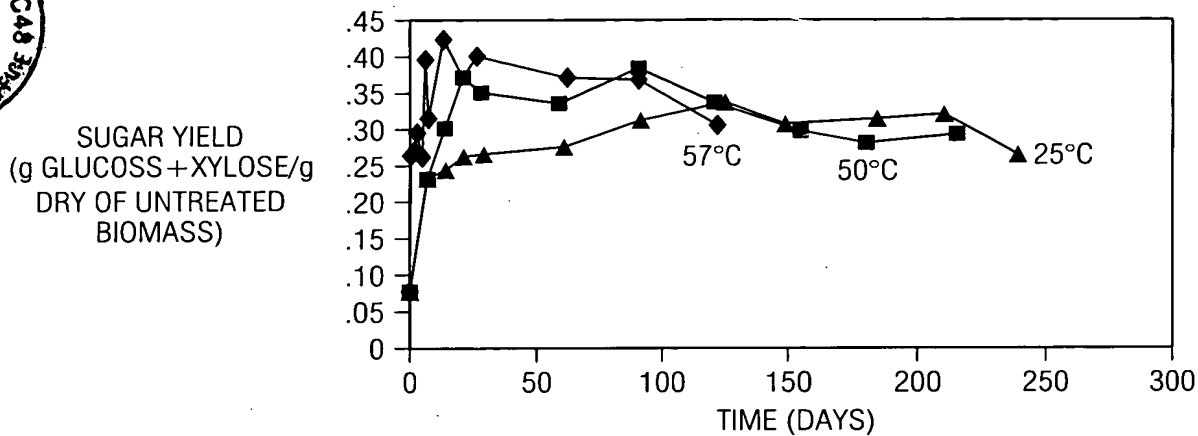
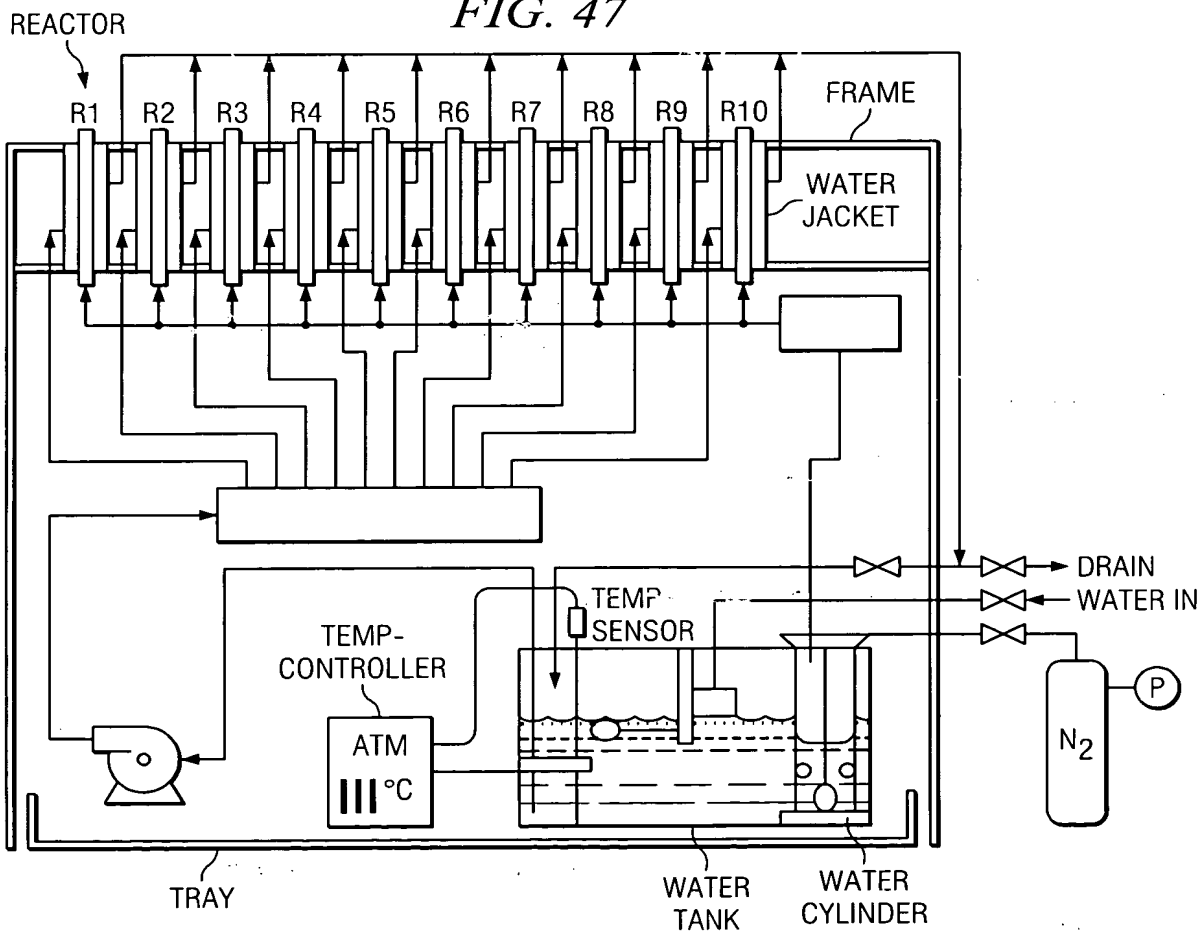


FIG. 47



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FIG. 48

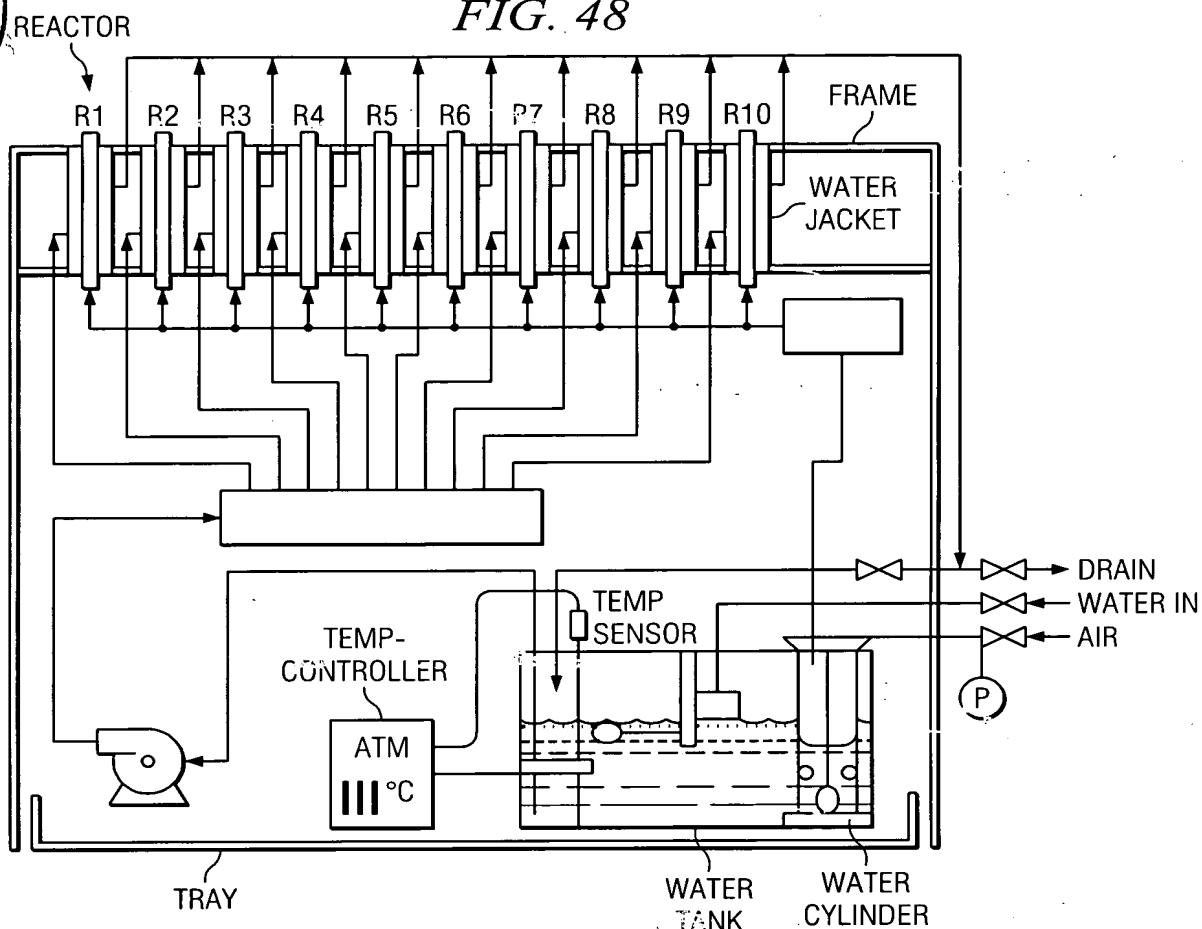
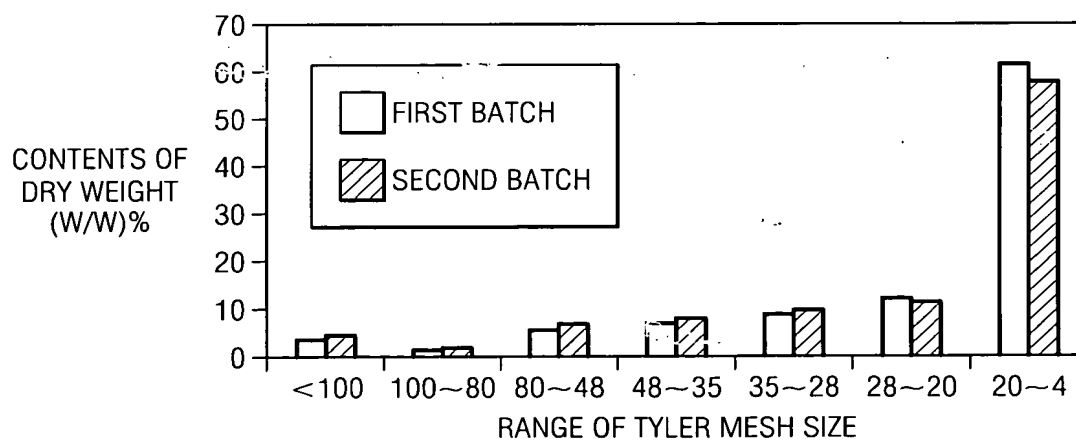


FIG. 49



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THE AMOUNT OF
 LIME CONSUMED
 (g $\text{Ca}(\text{OH})_2$ /g
 DRY BIOMASS)

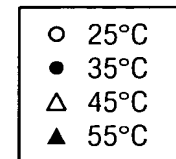
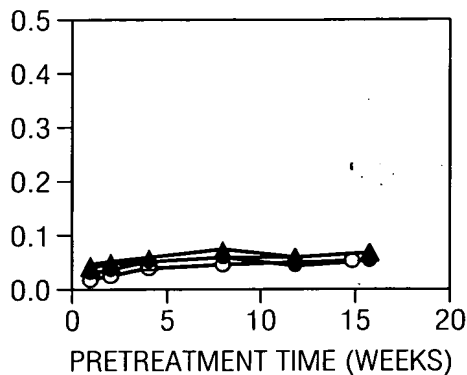


FIG. 50

THE AMOUNT OF
 LIME CONSUMED
 (g $\text{Ca}(\text{OH})_2$ /g
 DRY BIOMASS)

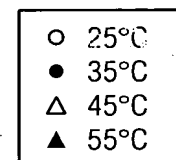
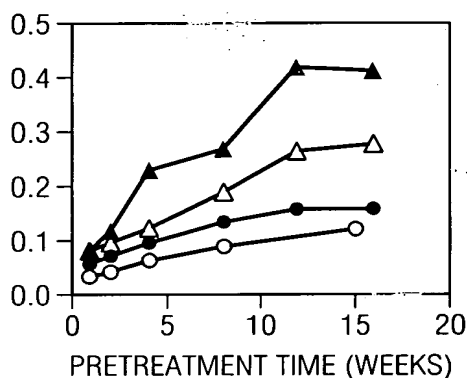


FIG. 51

KLASON
 LIGNIN CONTENT
 (W/W)%

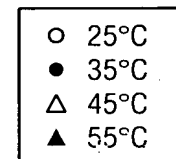
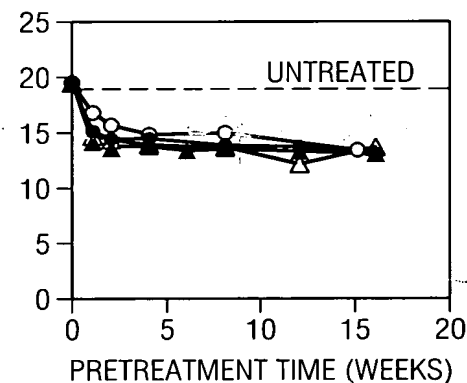


FIG. 52

KLASON
 LIGNIN CONTENT
 (W/W)%

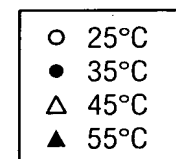
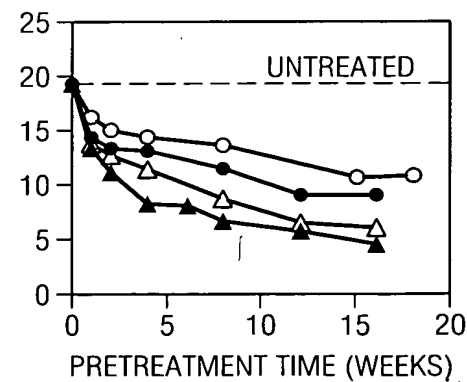
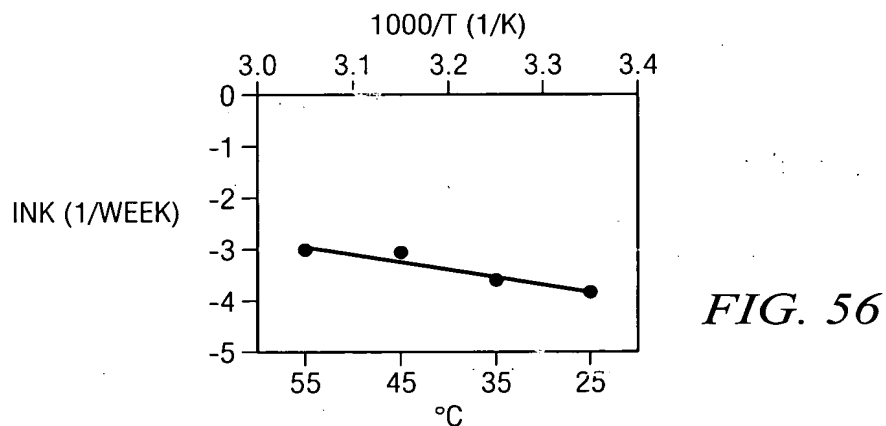
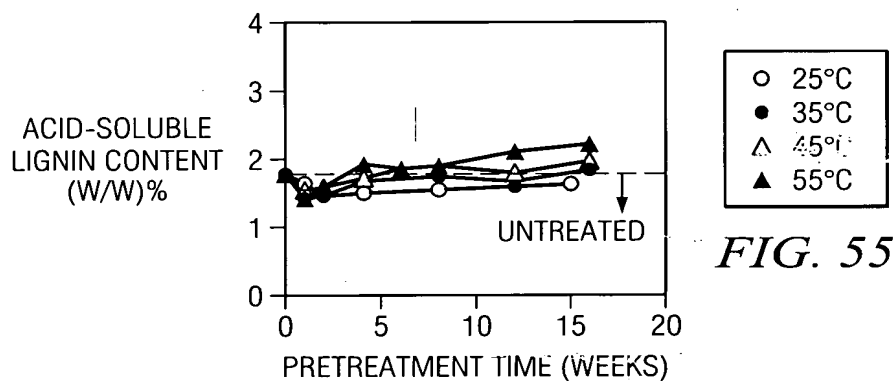
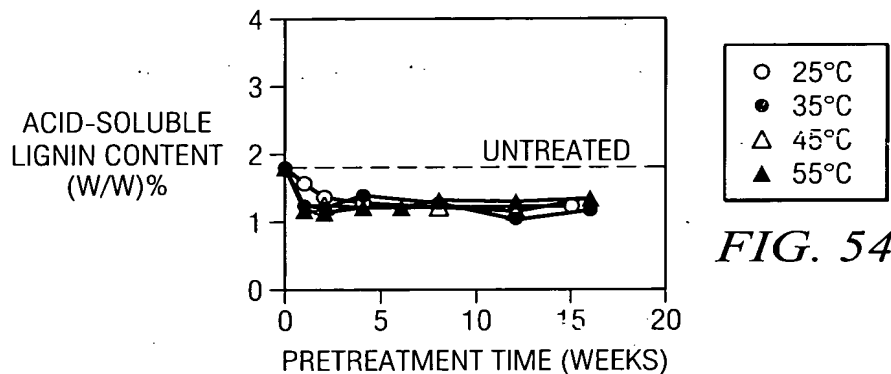


FIG. 53

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FIG. 57

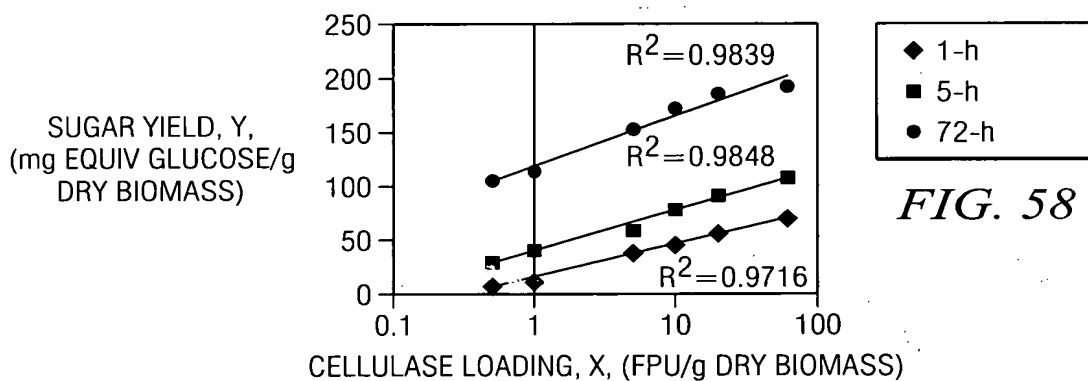
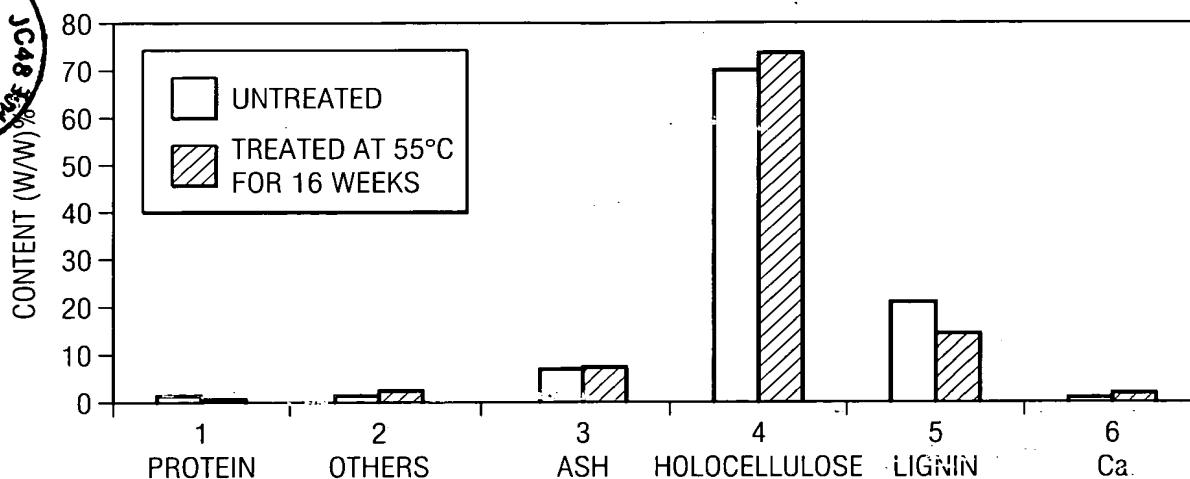


FIG. 58

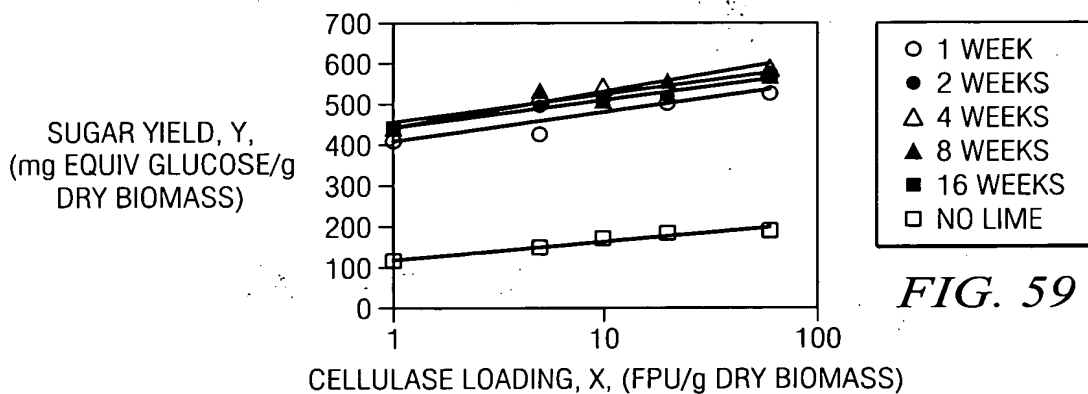


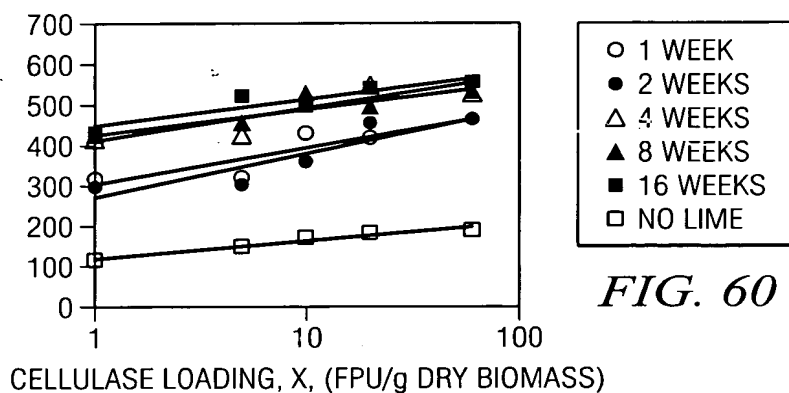
FIG. 59



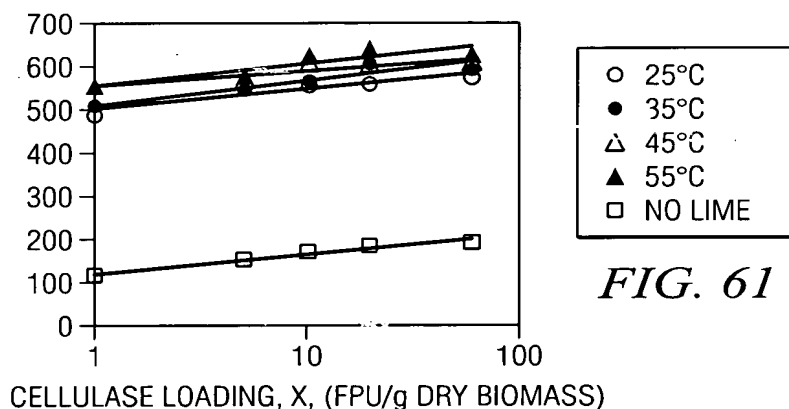
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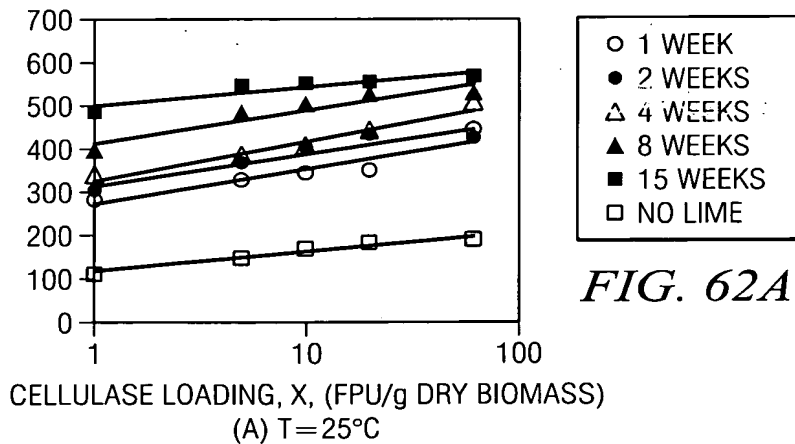
SUGAR YIELD, Y,
(mg EQUIV GLUCOSE/g
DRY BIOMASS)



SUGAR YIELD, Y,
(mg EQUIV GLUCOSE/g
DRY BIOMASS)



SUGAR YIELD, Y,
(mg EQUIV GLUCOSE/g
DRY BIOMASS)



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SUGAR YIELD, Y,
 (mg EQUIV GLUCOSE/g
 DRY BIOMASS)

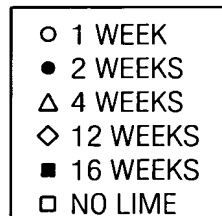
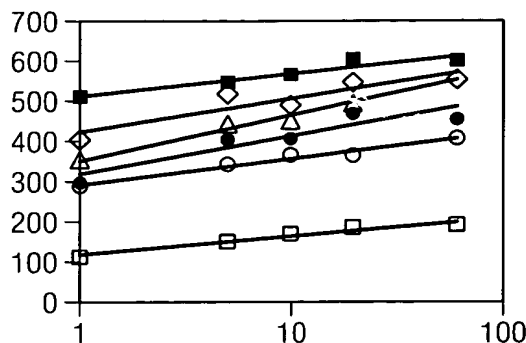


FIG. 62B

CELLULOSE LOADING, X, (FPU/g DRY BIOMASS), (B) T=35°C

SUGAR YIELD, Y,
 (mg EQUIV GLUCOSE/g
 DRY BIOMASS)

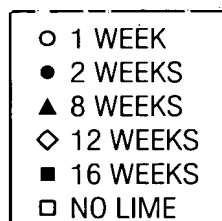
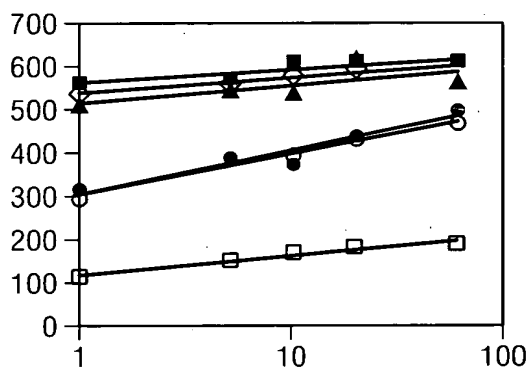


FIG. 62C

CELLULOSE LOADING, X, (FPU/g DRY BIOMASS), (C) T=45°C

SUGAR YIELD, Y,
 (mg EQUIV GLUCOSE/g
 DRY BIOMASS)

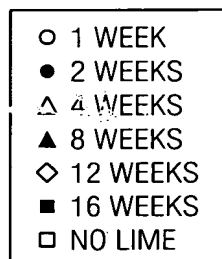
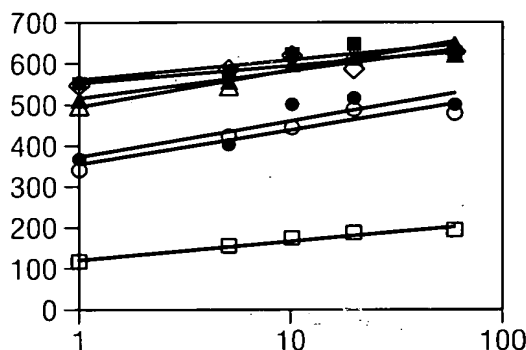


FIG. 62D

CELLULOSE LOADING, X, (FPU/g DRY BIOMASS), (D) T=55°C

SUGAR YIELD, Y,
 (mg EQUIV GLUCOSE/g
 DRY BIOMASS)

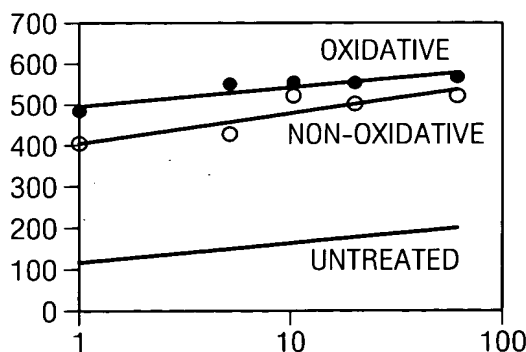


FIG. 63A

CELLULOSE LOADING, X, (FPU/g DRY BIOMASS), (A) T=25°C



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SUGAR YIELD, Y,
 (mg EQUIV GLUCOSE/g
 DRY BIOMASS)

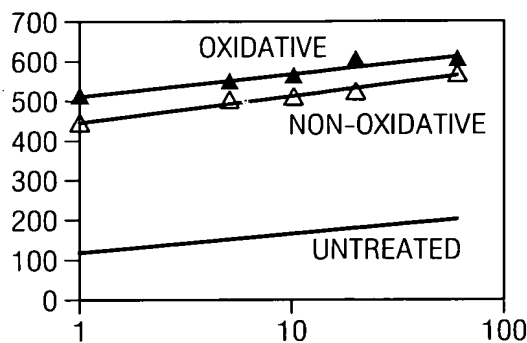


FIG. 63B

CELLULOSE LOADING, X, (FPU/g DRY BIOMASS), (B) T=35°C

SUGAR YIELD, Y,
 (mg EQUIV GLUCOSE/g
 DRY BIOMASS)

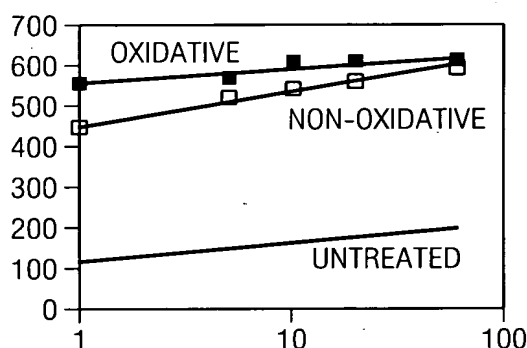


FIG. 63C

CELLULOSE LOADING, X, (FPU/g DRY BIOMASS), (C) T=45°C

SUGAR YIELD, Y,
 (mg EQUIV GLUCOSE/g
 DRY BIOMASS)

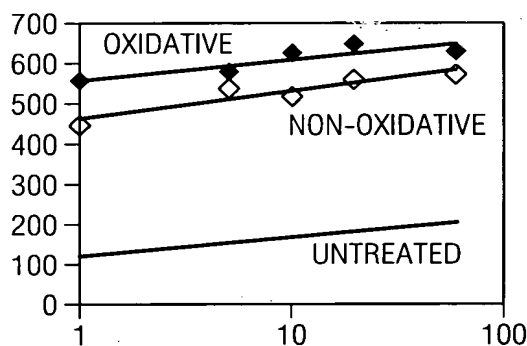


FIG. 63D

CELLULOSE LOADING, X, (FPU/g DRY BIOMASS), (D) T=55°C

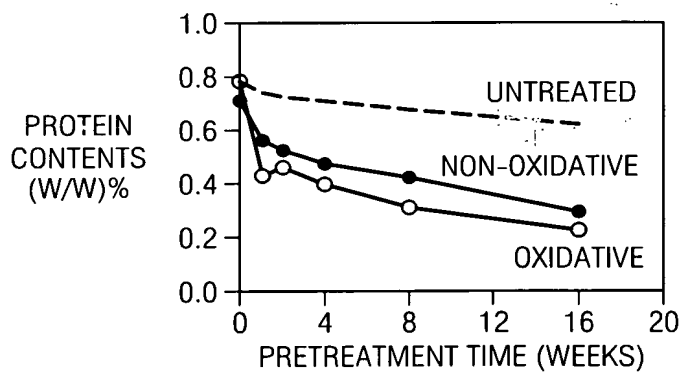


FIG. 64